



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 167580

**TO: Louis V Wollenberger**  
**Location: rem/3B61/2C18**  
**Art Unit: 1635**  
**Wednesday, October 12, 2005**

**Case Serial Number: 10/698311**

**From: Paul Schulwitz**  
**Location: Biotech-Chem Library**  
**REM-1A65**  
**Phone: 571-272-2527**

**Paul.schulwitz@uspto.gov**

### Search Notes

Examiner Wollenberger,

Please review the attached search results.

If you have any questions or if you would like to refine the search query, please feel free to contact me at any time.

Thank you for using STIC search services!

Paul Schulwitz  
Technical Information Specialist  
REM-1A65  
571-272-2527



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STIC-Biotech/ChemLib

1167580

From: Wollenberger, Louis V.  
Sent: Monday, October 03, 2005 2:04 PM  
To: STIC-Biotech/ChemLib  
Subject: Sequence search request (Patent Application No. 10/698311)

RECEIVED  
OCT - 3  
10 12 05

October 3, 2005

Re: Application No. 10/698311

Hi:

Please carry out the following sequence search in the above identified application:

1. A score over length search of SEQ ID NO:311, looking for oligonucleotides 18-24 nucleotides in length that are at least 80% identical to the target sequence in SEQ ID NO:311.

Thanks,

Louis Wollenberger  
Examiner, Art Unit 1635  
REM-3B-61, Mailbox 2C-18  
x2-8144

\*\*\*\*\*

Searcher: \_\_\_\_\_  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date completed: \_\_\_\_\_  
Searcher Prep Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*

Type of Search  
NA# \_\_\_\_\_ AA# \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*

Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

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AUTHORS Van Der Putten, P.H.M.  
 TITLE Patent: US 6504080-4.5  
 JOURNAL Patent: US 6504080-4.5  
 FEATURES  
 source /organism="unknown"  
 1..24 Location/Qualifiers

Query Match Best Local Similarity: 1.6%; Score 24; DB 1; Length 24;  
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 526 AGCTGCTGCTGCTGCTGCTGCTCA 549  
 24 AGCTGCTGCTGCTGCTGCTGCTCA 1

RESULT 4  
 LOCUS A8274103 24 bp DNA linear PAT 10-MAR-2003  
 ACCSSION Sequence 10 from patent US 6504080.  
 VERSION A8274103.1 GI:29706076  
 KEYWORDS Unknown.  
 ORGANISM Unknown.  
 FEATURES  
 REFERENCE 1 (base 1 to 24)  
 AUTHORS Van Der Putten, P.H.M.  
 TITLE Patent: US 6504080-4.5  
 JOURNAL Patent: US 6504080-4.5  
 FEATURES  
 source /mol\_type="genomic DNA"  
 1..24 Location/Qualifiers

Query Match Best Local Similarity: 1.0%; Pred. No. 1.2;  
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 526 AGCTGCTGCTGCTGCTGCTGCTCA 549  
 24 AGCTGCTGCTGCTGCTGCTGCTCA 1

RESULT 5  
 LOCUS A8274098 23 bp DNA linear PAT 10-MAR-2003  
 ACCSSION Sequence 5 from patent US 6504080.  
 VERSION A8274098.1 GI:29706073  
 KEYWORDS Unknown.  
 ORGANISM Unknown.  
 FEATURES  
 REFERENCE 1 (base 1 to 23)  
 AUTHORS Van Der Putten, P.H.M.  
 TITLE Patent: US 6504080-4.5  
 JOURNAL Patent: US 6504080-4.5  
 FEATURES  
 source /mol\_type="genomic DNA"  
 1..23 Location/Qualifiers

Query Match Best Local Similarity: 1.4%; Pred. No. 1.5;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 437 GAGCGTTCATCAAGCTGCTGCTGCTC 459  
 1 GAGCGTTCATCAAGCTGCTGCTGCTC 23

RESULT 6  
 LOCUS A8383946 20 bp DNA linear PAT 19-MAR-2002  
 DEFINITION Sequence 49 from Patent WO024546.  
 VERSION A8383946  
 KEYWORDS A8383946.1 GI:19577517  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens (human)  
 FEATURES  
 REFERENCE 1 (base 1 to 20)  
 AUTHORS Bakkari, S.  
 TITLE Use of microbial dna sequences for the identification of human diseases  
 JOURNAL Patent: WO 024546-A 49 21-FEB-2002;  
 FEATURES  
 source /organism="Homo sapiens"  
 1..20 Location/Qualifiers

Query Match Best Local Similarity: 100.0%; Pred. No. 3.4;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1069 TATATATATATATATATATATATCTT 1088  
 1 TATATATATATATATATATATATCTT 20

RESULT 7  
 LOCUS AK670638 20 bp DNA linear PAT 36-MAR-2003  
 DEFINITION Sequence 2 from Patent WO0204083.  
 VERSION AK670638.1 GI:32929493  
 KEYWORDS synthetic construct  
 ORGANISM other sequence; artificial sequences.  
 REFERENCE 1  
 AUTHORS Plate-Salmon, C., Benjamin, D., and Ilyin, S.  
 TITLE Patent: WO 0204083  
 JOURNAL Ortho-McNeil Pharmaceutical, Inc. (US)

Query Match Best Local Similarity: 100.0%; Pred. No. 3.4;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 528 GTGTCTGCTGCTGCTGCTGCTGCTC 547  
 20 GTGTCTGCTGCTGCTGCTGCTGCTC 1

RESULT 8  
 LOCUS A8383908 19 bp DNA linear PAT 19-MAR-2002  
 DEFINITION Sequence 11 from Patent WO021546.  
 VERSION A8383908  
 KEYWORDS A8383908.1 GI:19577479  
 SOURCE Escherichia coli  
 ORGANISM Escherichia coli  
 FEATURES  
 Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales;



```

DEFINITION   Sequence 6082 from patent US 6537751.
ACCESSION    AB294347
VERSION      AB294347.1 GI:31681631
KEYWORDS     .
SOURCE       unknown
ORGANISM     unknown.
REFERENCE    1. James T. et al.
AUTHORS     Chubb, D.P., Humphrey, I. and Blumensfeld, M.
TITLE       Biallelic markers for use in constructing a high density
JOURNAL      disequilibrium map of the human genome
Patent: US 6537751-A 6082 25-04A-2003
FEATURES     1..18
             /organism="unknown"
             /mol_type="genomic DNA"

Query Match
Best Local Similarity 1.0%; Score 14.8; DB 1; Length 18;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy
17 GACAGTGTGTGTAAAGG 34
1 GCACATGTGTGTAAAGG 18
DB

RESULT 14
LOCUS       AB294347.1
DEFINITION   AB294347.1 GI:31681631
ACCESSION    AB294347
VERSION      AB294347.1
KEYWORDS     .
SOURCE       unidentified
ORGANISM     unidentified.
REFERENCE    1
AUTHORS     Iwagaki, T., Sugiyama, T., Otsuki, T., Wakamatsu, A., Sato, H., Ishii, S.,
            Yasunaga, O. I., Isono, Y., Hito, Y., Otsuka, K., Nagai, K., Irie, R.,
            Manno, K. I., Seki, N., Yoshikawa, T., Otsuka, M., Nagahara, K. and
            Fujii-length cDNA sequences
            Patent: EP 1347046-A 5221 24-SEP-2003;
            Research Association for Biotechnology (JP)
FEATURES     1..18
             /organism="unidentified"
             /mol_type="unassigned DNA"
             /db_xref="genbank:AB294347"
             /note="Description of Artificial Sequence: an artificially
            synthesized primer seq"

Query Match
Best Local Similarity 1.0%; Score 14.8; DB 1; Length 18;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy
346 GGCACAGATGAGAAAG 363
18 GTCCACAGCTGAGAAAG 1
DB

```

Search completed: October 12, 2005, 14:15:39  
 Job time : 0.001 secs

OK nucleic - nucleic search, using nw model

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Run on: October 12, 2005, 14:16:48 | Search time 1 Seconds

(without alignment)

un-10-698-311a-311

Title: 1543

Sequence: 1543

Scoring table: IDENTITY NUC

Searched: 33 seqs: 656 residues

Total number of hits satisfying chosen parameters: 66

Maximum DB seq length: 18

Maximum DB seq length: 24

Post-processing: Maximum Match 08

Listing first 5000 summaries

Database: 1

Print. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result	Score	Query	Length	DB ID	Description
1	24	1	24	1	Human alpha-synuclein
2	24	1	24	1	Human alpha-synuclein
3	24	1	24	1	Human alpha-synuclein
4	24	1	24	1	Human alpha-synuclein
5	23	1	23	1	Human alpha-synuclein
6	23	1	23	1	Human alpha-synuclein
7	23	1	23	1	Human alpha-synuclein
8	23	1	23	1	Human alpha-synuclein
9	23	1	23	1	Human alpha-synuclein
10	23	1	23	1	Human alpha-synuclein
11	23	1	23	1	Human alpha-synuclein
12	23	1	23	1	Human alpha-synuclein
13	23	1	23	1	Human alpha-synuclein
14	23	1	23	1	Human alpha-synuclein
15	23	1	23	1	Human alpha-synuclein
16	23	1	23	1	Human alpha-synuclein
17	23	1	23	1	Human alpha-synuclein
18	23	1	23	1	Human alpha-synuclein
19	23	1	23	1	Human alpha-synuclein
20	23	1	23	1	Human alpha-synuclein
21	23	1	23	1	Human alpha-synuclein
22	23	1	23	1	Human alpha-synuclein
23	23	1	23	1	Human alpha-synuclein
24	23	1	23	1	Human alpha-synuclein
25	23	1	23	1	Human alpha-synuclein
26	23	1	23	1	Human alpha-synuclein
27	23	1	23	1	Human alpha-synuclein
28	23	1	23	1	Human alpha-synuclein
29	23	1	23	1	Human alpha-synuclein
30	23	1	23	1	Human alpha-synuclein
31	23	1	23	1	Human alpha-synuclein
32	23	1	23	1	Human alpha-synuclein
33	23	1	23	1	Human alpha-synuclein

## ALIGNMENTS

Result	Score	Query	Length	DB ID	Description
1	24	1	24	1	Human alpha-synuclein
2	24	1	24	1	Human alpha-synuclein
3	24	1	24	1	Human alpha-synuclein
4	24	1	24	1	Human alpha-synuclein
5	23	1	23	1	Human alpha-synuclein
6	23	1	23	1	Human alpha-synuclein
7	23	1	23	1	Human alpha-synuclein
8	23	1	23	1	Human alpha-synuclein
9	23	1	23	1	Human alpha-synuclein
10	23	1	23	1	Human alpha-synuclein
11	23	1	23	1	Human alpha-synuclein
12	23	1	23	1	Human alpha-synuclein
13	23	1	23	1	Human alpha-synuclein
14	23	1	23	1	Human alpha-synuclein
15	23	1	23	1	Human alpha-synuclein
16	23	1	23	1	Human alpha-synuclein
17	23	1	23	1	Human alpha-synuclein
18	23	1	23	1	Human alpha-synuclein
19	23	1	23	1	Human alpha-synuclein
20	23	1	23	1	Human alpha-synuclein
21	23	1	23	1	Human alpha-synuclein
22	23	1	23	1	Human alpha-synuclein
23	23	1	23	1	Human alpha-synuclein
24	23	1	23	1	Human alpha-synuclein
25	23	1	23	1	Human alpha-synuclein
26	23	1	23	1	Human alpha-synuclein
27	23	1	23	1	Human alpha-synuclein
28	23	1	23	1	Human alpha-synuclein
29	23	1	23	1	Human alpha-synuclein
30	23	1	23	1	Human alpha-synuclein
31	23	1	23	1	Human alpha-synuclein
32	23	1	23	1	Human alpha-synuclein
33	23	1	23	1	Human alpha-synuclein



XX 07-JAN-2003.  
 XX 13-OCT-2000; 2000US-00667731.  
 XX 15-OCT-1999; 99GB-00024513.  
 XX (NONS ) NOVARTIS AG.  
 XX (NONS ) NOVARTIS AG.  
 XX Van Der Putten PHM;  
 XX WPI, 2003-370503/35.  
 XX Transgenic mouse useful for testing potential therapeutic agents for  
 XX treatment of neurodegenerative disorders, has alpha-synuclein transgene  
 XX whose expression results in mouse exhibiting alpha-synucleinopathy  
 XX phenotype.  
 XX Example 2: Col 15-16; 18pp; English.  
 XX The invention describes a transgenic mouse (1) with genome comprising an  
 XX alpha-synuclein transgene comprising a nervous tissue specific regulatory  
 XX sequence operably linked to a DNA sequence encoding an alpha-synuclein  
 XX polypeptide, where expression of the transgene results in a transgenic  
 XX mouse exhibiting a phenotype of alpha-synucleinopathy. (1) is useful for  
 XX testing a potential therapeutic agent for modulating Lewy pathology and  
 XX for screening a compound or combination of compounds for the ability to  
 XX prevent, revert and/or stop cells from undergoing changes associated with  
 XX pathology, where the alpha-synuclein distribution pattern and  
 XX aggregation is determined. (1) is also useful for screening a compound or  
 XX combination of compounds for potential to prevent or treat a disease  
 XX with alpha-synucleinopathy and comparing the results obtained in a test for  
 XX motor deficits with treated mice versus untreated mice. (1) is useful for  
 XX testing potential therapeutic agents for the treatment associated with the  
 XX neurodegenerative pathology e.g. Parkinson's disease, dementia with Lewy  
 XX bodies (DLB), a Lewy body variant of Alzheimer's disease (LBDV) and  
 XX multiple system atrophy (MSA). (1) is useful for testing preventing or  
 XX restoring modulation of alpha-synucleinopathy. Analysing changes  
 XX detectable in (1) is useful for identification of an endogenous indicator  
 XX of predilection, onset, progression, halt and/or reversal of a disease  
 XX associated with alpha-synucleinopathy. Analysing changes  
 XX detectable in (1) is useful for identification of an endogenous indicator  
 XX of predilection, onset, progression, halt and/or reversal of a disease  
 XX associated with alpha-synucleinopathy. This sequence represents a  
 XX primer used to isolate DNA encoding mouse alpha-synuclein for creation of the  
 XX transgene in transgenic mice  
 XX Sequence 24 BP; 6 A; 5 C; 7 G; 6 T; 0 U; 0 Other;  
 XX Query Match 1,61; Score 24; DB 1; Length 24;  
 XX Best Local Similarity 100.0% Prod No. 19; Indels 0; Gaps 0;  
 XX Matches 24; Conservative 0; Mismatches 0;  
 XX 526 AAGTCTCAGTTCATGATGATGCA 549  
 XX Db 24 AAGTCTCAGTTCATGATGATGCA 1  
 XX  
 XX RESULT 4  
 XX ABR94000/-  
 XX ABR94000 standard; DNA, 24 BP.  
 XX ABR94000;  
 XX 10-JUN-2003 (first entry)  
 XX Mouse alpha-synuclein PCR primer #2.  
 XX Transgenic; alpha-synuclein transgene; alpha-synucleinopathy;  
 XX nervous tissue specific regulatory sequence; Lewy pathology;  
 XX alpha-synuclein distribution pattern; alpha-synucleinopathy;  
 XX motor deficit; neurodegenerative disorders; Parkinson's disease;

XX dementia with Lewy body; DLB; Lewy body variant of Alzheimer's disease;  
 XX LBDV; multiple system atrophy; MSA; Parkinson's disease; Parkinson's  
 XX disease; alpha-synuclein PCR primer; seq.  
 XX Mus sp.  
 XX US6504080-A1.  
 XX 07-JAN-2003.  
 XX 13-OCT-2000; 2000US-00667731.  
 XX 15-OCT-1999; 99GB-00024513.  
 XX (NONS ) NOVARTIS AG.  
 XX (NONS ) NOVARTIS AG.  
 XX Van Der Putten PHM;  
 XX WPI, 2003-370503/35.  
 XX Transgenic mouse useful for testing potential therapeutic agents for  
 XX treatment of neurodegenerative disorders, has alpha-synuclein transgene  
 XX whose expression results in mouse exhibiting alpha-synucleinopathy  
 XX phenotype.  
 XX Example 3: Col 15-16; 18pp; English.  
 XX The invention describes a transgenic mouse (1) with genome comprising an  
 XX alpha-synuclein transgene comprising a nervous tissue specific regulatory  
 XX sequence operably linked to a DNA sequence encoding an alpha-synuclein  
 XX polypeptide, where expression of the transgene results in a transgenic  
 XX mouse exhibiting a phenotype of alpha-synucleinopathy. (1) is useful for  
 XX testing a potential therapeutic agent for modulating Lewy pathology and  
 XX for screening a compound or combination of compounds for the ability to  
 XX prevent, revert and/or stop cells from undergoing changes associated with  
 XX pathology, where the alpha-synuclein distribution pattern and  
 XX aggregation is determined. (1) is also useful for screening a compound or  
 XX combination of compounds for potential to prevent or treat a disease  
 XX with alpha-synucleinopathy and comparing the results obtained in a test for  
 XX motor deficits with treated mice versus untreated mice. (1) is useful for  
 XX testing potential therapeutic agents for the treatment associated with the  
 XX neurodegenerative disorders, in particular disorders associated with the  
 XX presence of Lewy pathology e.g. Parkinson's disease, dementia with  
 XX bodies (DLB), a Lewy body variant of Alzheimer's disease (LBDV) and  
 XX multiple system atrophy (MSA). (1) is useful for testing preventing or  
 XX restoring modulation of alpha-synucleinopathy. Analysing changes  
 XX detectable in (1) is useful for identification of an endogenous indicator  
 XX of predilection, onset, progression, halt and/or reversal of a disease  
 XX associated with alpha-synucleinopathy. Analysing changes  
 XX detectable in (1) is useful for identification of an endogenous indicator  
 XX of predilection, onset, progression, halt and/or reversal of a disease  
 XX associated with alpha-synucleinopathy. This sequence represents a  
 XX primer used to isolate DNA encoding mouse alpha-synuclein for creation of the  
 XX transgene in transgenic mice  
 XX Sequence 24 BP; 6 A; 5 C; 7 G; 6 T; 0 U; 0 Other;  
 XX Query Match 1,61; Score 24; DB 1; Length 24;  
 XX Best Local Similarity 100.0% Prod No. 19; Indels 0; Gaps 0;  
 XX Matches 24; Conservative 0; Mismatches 0;  
 XX 526 AAGTCTCAGTTCATGATGATGCA 549  
 XX Db 24 AAGTCTCAGTTCATGATGATGCA 1  
 XX  
 XX RESULT 5  
 XX ABR93995  
 XX ABR93995 standard; DNA, 23 BP.  
 XX ABR93995;  
 XX 10-JUN-2003 (first entry)













brain; action abnormality; alpha synuclein protein; antiparkinsonian;  
human; PCR primer; ss.  
XX  
XX Homo sapiens.  
XX  
XX JF200319460-A.  
XX  
XX 15-JUL-2003.  
XX  
XX 08-JAN-2002, 2002JP-00001229.  
XX  
XX 08-JAN-2002, 2002JP-00001229.  
XX  
XX (SHOJ/) SHOJ M.  
XX (IGED/) IGED M.  
XX (YAMA/) YAMA H.  
XX  
XX WPI: 2003-81956/77.  
XX  
XX Transgenic mouse model useful for screening drugs for Parkinson's  
XX disease, comprises a heterologous DNA encoding mutated synuclein protein  
XX under the control of promoter.  
XX  
XX Example; SEQ ID NO 5; 12bp; Japanese.  
XX  
XX This invention relates to a novel transgenic mouse model for Parkinson's  
XX disease which comprises Lewy bodies, reduced dopamine levels in brain and  
XX exhibits abnormality in action. The invention comprises a fully defined  
XX recombinant DNA encoding alpha synuclein protein, having a fully defined  
XX sequence of 130 amino acids as given in the specification under the  
XX control of a promoter, where the DNA contains two substitution mutations.  
XX The invention may be useful in the development of compound with an  
XX antiparkinsonian activity for the treatment of Parkinson's disease, an  
XX antiparkinsonian activity for the treatment of Parkinson's disease, an  
XX characteristic of Parkinson's disease, for example the phenotypic  
XX features and reduction of dopamine levels in the brain, and exhibits  
XX abnormality in brain function.  
XX  
XX Sequence 19 BP: 2 A; 7 C; 4 G; 6 T; 0 U; 0 Other;  
XX  
XX Query Match 1.1%; Score 17.4; DB 1; Length 19;  
XX  
XX Similarity 94.7%; Pred. No. 12;  
XX  
XX Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
XX 121 |||||||||  
XX 19 TGTGCGAGAGAGCGCGCG 139  
XX  
XX Db 19 TGTGCGAGAGAGCGCGCG 1

(SHOJ/) SHOJ M.  
XX (IGED/) IGED M.  
XX (YAMA/) YAMA H.  
XX  
XX WPI: 2003-81956/77.  
XX  
XX Transgenic mouse model useful for screening drugs for Parkinson's  
XX disease, comprises a heterologous DNA encoding mutated synuclein protein  
XX under the control of promoter.  
XX  
XX Example; SEQ ID NO 7; 12bp; Japanese.  
XX  
XX This invention relates to a novel transgenic mouse model for Parkinson's  
XX disease which comprises Lewy bodies, reduced dopamine levels in brain and  
XX exhibits abnormality in action. The invention comprises an introduced  
XX recombinant DNA encoding alpha synuclein protein, having a fully defined  
XX sequence of 130 amino acids as given in the specification under the  
XX control of a promoter, where the DNA contains two substitution mutations.  
XX The invention may be useful in the development of compound with an  
XX antiparkinsonian activity and for screening drugs for Parkinson's  
XX disease. The transgenic mouse model provided mimics the phenotypic  
XX characteristic of Parkinson's disease, for example the phenotypic  
XX features and reduction of dopamine levels in the brain, and exhibits  
XX abnormality in brain function.  
XX  
XX Sequence 19 BP: 5 A; 7 C; 3 G; 4 T; 0 U; 0 Other;  
XX  
XX Query Match 1.1%; Score 17.4; DB 1; Length 19;  
XX  
XX Similarity 94.7%; Pred. No. 12;  
XX  
XX Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
XX 156 TGTGCGAGAGAGCGCGCG 214  
XX 19 TGTGCGAGAGAGCGCGCG 1  
XX  
XX Db 19 TGTGCGAGAGAGCGCGCG 1

RESULT 18  
XX ADH69053 standard; DNA; 18 BP.  
XX  
XX ADH69053;  
XX  
XX 25-MAR-2004 (first entry)  
XX  
XX Hepatitis C virus genotype 2b oligonucleotide HCV2b seqs.  
XX  
XX 891 primer; anti-inflammatory; hepatocellular carcinoma; vaccine;  
XX  
XX Hepatitis C virus; HCV; NS3; NS4; diagnosis; drug therapy.  
XX  
XX Hepatitis C virus.  
XX  
XX MO3030307723-A2.  
XX  
XX 25-SEP-2003.  
XX  
XX 11-MAR-2003; 2003WO-050075S.  
XX  
XX 11-MAR-2002; 2002US-0345603P.  
XX  
XX (HOLL/) HOLLAND-STALEY C.  
XX  
XX Holland-Staley C;  
XX  
XX WPI: 2003-767436/72.  
XX  
XX New nucleic acid sequences from Hepatitis C virus (HCV) genome  
XX and HCV subtypes 1a, 1b, 2a, 2b, 3a, 3b, 4a, 4b, 5a, 5b, 6a, 6b, 7a, 7b,  
XX useful as vaccine for the preventing and/or treating HCV infection.  
XX  
XX Claim 1; SEQ ID NO 40; 10bp; English.  
XX  
XX The invention relates to nucleic acids derived from hepatitis C virus  
XX (HCV) sequences (S1) where oligonucleotide derived from these sequences





0/ 1140 TATTGCGGATTCCTC 1157  
DB 1 TATTGCGGATTCCTC 18

RESULT 22  
AB288269/c  
ID AB288269 standard, DNA, 20 BP.

AC AB288269;

XX 17-OCT-2003 (first entry)

DE Human oligonucleotide sequence.

XX Human; antisense; lung dysfunction; nasal airway dysfunction;  
XX antiasthmatic; bronchoconstriction; allergic hyporesponsiveness;  
XX antiasthmatic; hyporesponsiveness; antiinflammatory; antiallergic;  
XX antisense gene therapy; respiratory; lung; adenosine sensitivity;  
XX adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;  
XX lung inflammation; respiratory disease; de

XX Homo sapiens.

XX W000285306-42.

XX 31-OCT-2002.

XX 23-APR-2002, 2002NC-08013143.

XX 24-APR-2001, 2001US-0286137P.

XX (EPIC-) EPIC88855 PHARM INC.

XX Nyce JW, Li Y, Sandrasegura A, Katz E, Pabalan J, Aguilar D;

XX Miller S, Tang L, Shanbhuddin S;

XX WPI; 2003-22991922.

XX Pharmaceutical composition for treating ailments associated with impaired  
XX respiratory function (e.g. asthma) or is  
XX corresponding RNAe, and glucocorticoid or non-glucocorticoid steroid or  
XX ubiquinolone.

XX Disclaimers; SEQ ID NO 331; 872pp; English.

XX The invention relates to a novel pharmaceutical composition, which has a  
XX first active agent comprising an oligonucleotide antisense to the  
XX antisense gene, and a second active agent comprising an oligonucleotide  
XX 5' and 3' intron-exon junction, or regions within exons and/or  
XX exon-intron junctions, and a polypeptide associated with lung and/or  
XX nasal airway dysfunction and a second active agent comprising an  
XX has antiinflammatory, antiallergic, immunomodulatory, and/or  
XX immunosuppressive, and cyclostatic activity. The composition may have a  
XX use in antisense gene therapy. The composition is useful for treating or  
XX for enhancing the prophylactic or therapeutic effect of a first active  
XX antiinflammatory steroid in a subject, for reducing or displacing levels  
XX of, or reducing sensitivity to adenosine, reducing levels of adenosine  
XX or, or reducing sensitivity to adenosine, reducing levels of adenosine  
XX lung dysfunction in a subject's tissue, or treating a disease or condition  
XX lung inflammation, lung allergy, or a respiratory disease or condition.  
XX The sequence data for this patent is not represented in the printed  
XX specification, and is available from the National Center for Human  
XX at ftp://wpi.int/pub/published\_pat\_sequences

XX Sequence 20 BP 5 A; 3 C; 6 G; 5 T; 0 U; 0 Other;

XX Query Match 1.0%; Score 16; DB 1; Length 20;

XX Best Local Similarity 100.0%; Prod. No. 15;  
XX Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

0/ 1201 AACTTCGGAATTCCTC 1216  
DB 20 AACTTCGGAATTCCTC 5

RESULT 23  
ABD24499/c  
ID ABD24499 standard, DNA, 20 BP.

AC ABD24499;

XX 29-JUL-2004 (first entry)

XX A165794-derived oligonucleotide SEQ ID 3311.

XX Human; antisense; bronchoconstriction; allergy; hyporesponsiveness; pain;  
XX respiratory tract inflammation; adenosine sensitivity; lung; cancer;  
XX antiasthmatic; bronchoconstriction; allergic hyporesponsiveness;  
XX antiasthmatic; hyporesponsiveness; antiinflammatory; antiallergic;  
XX antisense gene therapy; respiratory; lung; adenosine sensitivity;  
XX adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;  
XX lung inflammation; respiratory disease; de  
XX emphysema; chronic obstructive pulmonary disease; bronchitis;  
XX pulmonary transplantation rejection; es primer.

XX Homo sapiens.

XX W000285309-42.

XX 31-OCT-2002.

XX 23-APR-2002, 2002NC-08013143.

XX 24-APR-2001, 2001US-0286036P.

XX (EPIC-) EPIC88855 PHARM INC.

XX Nyce JW, Li Y, Sandrasegura A, Katz E, Pabalan J, Aguilar D;

XX Miller S, Tang L, Shanbhuddin S;

XX WPI; 2003-09305908.

XX Pharmaceutical composition for treating asthma, has antisense  
XX oligonucleotide composition for treating asthma, has antisense  
XX nucleic acids associated with lung airway or lung dysfunction, and  
XX bronchodilation agent.

XX Disclaimers; SEQ ID NO 331; 762pp; English.

XX This invention describes a novel composition (a) a first active agent,  
XX comprising oligonucleotides, effective for alleviating asthma and  
XX bronchoconstriction, and a second active agent comprising an oligonucleotide  
XX reducing adenosine sensitivity levels of adenosine (b) or (a) and  
XX an adenosine receptor antagonist, when administered to a mammal. The  
XX oligonucleotides are derived from a gene encoding or regulating  
XX expression of an adenosine receptor, or a region of the gene encoding or  
XX dysfunction or cancer and can be antisense to the coding strand or lung  
XX dysfunction. The invention also describes a kit, that comprises: (a) a delivery  
XX system, in separate containers; (b) the oligonucleotides; (c) the composition  
XX analysis, hyporesponsiveness, immunosuppressive and cyclostatic activity, is a  
XX treatment agent, the composition is useful for preventing or  
XX composition comprises oligo and is administered to reduce the severity of  
XX or availability, or to increase the degradation of the target mRNA or to  
XX enhance the amount of target polypeptide present in the lungs. The  
XX inflammation, allergies and/or surfactant hypoproduction associated  
XX with a disease or condition such as pulmonary vasoconstriction,  
XX asthma, emphysema, chronic obstructive pulmonary disease, pulmonary  
XX hypertension, emphysema, chronic obstructive pulmonary disease, pulmonary  
XX transplantation rejection, pulmonary infections, bronchitis or cancer.





QY 241 TTTTGGGAGACGAGG 257  
 ID TTTTGGGAGACGAGG 19  
 DB 3 TTTTGGGAGACGAGG 19

RESULT 26  
 AA235879  
 ID AA235879 standard; DNA, 18 BP.  
 AC AA235879:  
 QY 03-FEB-2000 (first entry)  
 DB Human sentrin phosphorothioate antisense oligonucleotide SEQ ID NO:21.  
 KW Human; sentrin; antisense oligonucleotide; phosphorothioate; inhibition;  
 OS modulation; expression; diagnosis; ss.  
 NC Synthetic.  
 CC Homo sapiens.  
 PM Key Location/Qualifiers  
 FT modified\_base 1..18  
 FT /feature="phosphorothioate linkage"  
 PS US9595664-A.  
 PN 16-NOV-1999.  
 PF 17-DEC-1998; 98US-00213768.  
 PA 17-DEC-1998; 98US-00213768.  
 PA (1315-) ISIS PHARM INC.  
 PA Baker BP, Cowest LM,  
 DR WPI: 2000-022284/02.  
 CC Antisense compound which modulates human sentrin expression, useful for  
 PT treating diseases associated with sentrin expression.  
 PS Claim 3; Col 38; 23pp; English.

CC The present invention describes an antisense compound (1) 8-30  
 CC nucleotides long targeted to a nucleic acid molecule encoding human  
 CC sentrin. The antisense compound comprises a phosphorothioate antisense  
 CC sequence for inhibiting expression of sentrin, and a sequence useful  
 CC for treating human or other animals suspected of having or being prone  
 CC to a disease associated with sentrin expression. (1) can also be used for  
 CC sentrin phosphorothioate antisense oligonucleotide from the present  
 CC invention

QY Sequence 18 BP; 2, A, 1 C, 6 G, 9 T, 0 U, 0 Other;  
 DB Query Match 1.0%; Score 14.8; DB 1; Length 18;  
 Best Local Similarity 88.9%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 488 GTTTCCTGAGACGTCGTCG 505  
 ID GTTTCCTGAGACGTCGTCG 18  
 DB 1 GTTTCCTGAGACGTCGTCG 18

RESULT 27  
 AA271726  
 ID AA271726 standard; DNA, 18 BP.  
 AC AA271726:  
 QY 17-DEC-1998.  
 DB Human G-alpha-13 antisense oligonucleotide ISIS25944.  
 KW Human; G-alpha-13; G protein; G1 protein; adenyllyl cyclase; dopamine;  
 KW thyroid; thyroid carcinoma; semioctectin; signal transduction pathway;  
 KW antisense oligonucleotide; ss.

PT 10-SEP-2001 (first entry)  
 KW Human biallelic marker upstream amplification primer SEQ ID NO:6082.  
 CC Human genome; biallelic marker; high density disequilibrium map;  
 CC genomic map; haplotype; phenotype; polymorphic base; genotyping;  
 CC amplification; single nucleotide polymorphism; SNP; PCR primer;  
 CC diagnosis; ss.  
 CC Homo sapiens.  
 PM KC9554500-A2.  
 PN 26-OCT-1999.  
 PF 21-APR-1999; 99WO-18000822.  
 PA 21-APR-1999; 98US-0083544P.  
 PA 23-NOV-1998; 98US-0109732P.  
 CC (GENSET) GENSET.  
 CC Cohen D, Blumenfeld M, Chumakov I;  
 WPI: 2000-013267/01.  
 CC Novel biallelic markers used to construct a high density disequilibrium  
 CC map of the human genome.  
 PS Claim 6; Page 1527; 274pp; English.

CC AA265654 to AA265978 represent human biallelic markers from the present  
 CC invention, which contain a polymorphic base at position 24 of their  
 CC nucleotide sequence. The biallelic markers of the invention can be  
 CC used as a variety of uses: they can be used for high density mapping of the  
 CC human genome, and in complex association studies and haplotyping studies  
 CC which involve the use of the biallelic markers of the invention.  
 CC Identification and methods of the development of pharmaceutical  
 CC effects and diagnostic methods, as well as the characterization of the  
 CC pharmaceutical agents acting on a disease as well as other treatment.  
 CC N.B. The SEQ ID NO 2852, 2813, 3035, 3096, 3157, 3227, 3297 and  
 CC 3167, are not actually given a sequence in the Sequence Listing from the  
 CC present invention

QY Sequence 18 BP; 3, A, 1 C, 8 G, 6 T, 0 U, 0 Other;  
 DB Query Match 1.0%; Score 14.8; DB 1; Length 18;  
 Best Local Similarity 88.9%; Pred. No. 22;  
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 17 GCAAGTCGTCGTCGTCG 34  
 ID GCAAGTCGTCGTCGTCG 18  
 DB 1 GCAAGTCGTCGTCGTCG 18

RESULT 28  
 AA15525  
 ID AA15525 standard; DNA, 18 BP.  
 AC AA15525:  
 QY 28-JUL-2000 (first entry)  
 DB Human G-alpha-13 antisense oligonucleotide ISIS25944.  
 KW Human; G-alpha-13; G protein; G1 protein; adenyllyl cyclase; dopamine;  
 KW thyroid; thyroid carcinoma; semioctectin; signal transduction pathway;  
 KW antisense oligonucleotide; ss.







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ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: primer  
 US-09-687-731-8

Query Match  
 Best Local Similarity 1.6%; Score 24; DB 1; Length 24;  
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

526 AAGTCCGATTCGATTCGATTCGCA 549  
 DB 24 AAGTCCGATTCGATTCGATTCGCA 1

RESULT 4  
 US-09-687-731-10/C  
 Sequence 21: Application US/0968731  
 Patent No. 6504090

GENERAL INFORMATION:

APPLICANT: Van Der Putten, Petrus Herman Maria

FILE REFERENCE: alpha-synuclein transgenic animal model for neurodegenerative disorders

CURRENT FILING DATE: 2000-10-13

PRIOR FILING DATE: 1999-10-13

NUMBER OF SEQ ID NOS: 12

SEQ ID NO 10

LENGTH: 24

TYPE: DNA

FEATURES:

OTHER INFORMATION: Description of Artificial Sequence: primer  
 US-09-687-731-10

Query Match  
 Best Local Similarity 1.6%; Score 24; DB 1; Length 24;  
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

526 AAGTCCGATTCGATTCGATTCGCA 549  
 DB 24 AAGTCCGATTCGATTCGATTCGCA 1

RESULT 5

US-09-687-731-5

Sequence 5: Application US/0968731  
 Patent No. 6504090

GENERAL INFORMATION:

APPLICANT: Van Der Putten, Petrus Herman Maria

FILE REFERENCE: alpha-synuclein transgenic animal model for neurodegenerative disorders

CURRENT FILING DATE: 2000-10-13

PRIOR FILING DATE: 1999-10-13

NUMBER OF SEQ ID NOS: 12

SEQ ID NO 10

LENGTH: 24

TYPE: DNA

FEATURES:

OTHER INFORMATION: Description of Artificial Sequence: primer  
 US-09-687-731-5

Query Match  
 Best Local Similarity 1.5%; Score 23; DB 1; Length 23;  
 Matches 23; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

437 GAGCGGTACGATTCGATTCGAC 459  
 DB 437 GAGCGGTACGATTCGATTCGAC 459

DB 1 GAGCGGTACGATTCGATTCGAC 23

RESULT 6  
 US-09-213-768-21  
 Sequence 21: Application US/09213768  
 Patent No. 6504090

GENERAL INFORMATION:

APPLICANT: Brenda F. Baker

FILE REFERENCE: RFS-0026

CURRENT FILING DATE: 1999-12-17

NUMBER OF SEQ ID NOS: 47

SEQ ID NO 21

LENGTH: 18

TYPE: DNA

FEATURES:

OTHER INFORMATION: Antisense oligonucleotide  
 US-09-213-768-21

Query Match  
 Best Local Similarity 1.0%; Score 14.8; DB 1; Length 18;  
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

488 GTTCTTGATTCGATTCGCG 505  
 DB 1 GTTCTTGATTCGATTCGCG 18

RESULT 7

US-09-339-775-24  
 Sequence 24: Application US/09339775  
 Patent No. 6665626

GENERAL INFORMATION:

APPLICANT: Constant

FILE REFERENCE: RFS-0069

CURRENT FILING DATE: 1999-06-24

NUMBER OF SEQ ID NOS: 47

SEQ ID NO 24

LENGTH: 18

TYPE: DNA

FEATURES:

OTHER INFORMATION: Antisense oligonucleotide  
 US-09-339-775-24

Query Match  
 Best Local Similarity 1.0%; Score 14.8; DB 1; Length 18;  
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

602 AGTATGATTCGATTCGCT 619  
 DB 1 AGTATGATTCGATTCGCT 18

RESULT 8

US-09-706-82/C  
 Sequence 82: Application US/0960706  
 Patent No. 6717540

GENERAL INFORMATION:

APPLICANT: C. Frank Bennett

FILE REFERENCE: RFS-0053

CURRENT FILING DATE: 1999-06-24

NUMBER OF SEQ ID NOS: 94

SEQ ID NO 82



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/ LENGTH: 18
/ TYPE: DNA Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-630-706-82
Query Match
Best Local Similarity 1.0% Score 14.8; DB 1; Length 18;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 431 TCTGAGAGGGATATCA 448
DB 18 TCTGAGAGGGATATCA 1

RESULT 9
US-09-422-978-6082
/ Sequence 6082/178
/ Accession 6082
/ GENERAL INFORMATION:
/ APPLICANT: Cohn, Daniel
/ APPLICANT: Chumakov, Lyra
/ APPLICANT: Chumakov, Lyra
/ TITLE OR INVENTION: Ballelic markers for use in constructing a high density...
/ FILE REFERENCE: GENSET 02CP8/09/422.978
/ CURRENT FILING DATE: 1999-10-20
/ EARLIER APPLICATION NUMBER: US 09/298,850
/ EARLIER FILING DATE: 1999-04-21
/ EARLIER FILING DATE: 1998-11-23
/ EARLIER APPLICATION NUMBER: US 60/082,614
/ EARLIER FILING DATE: 1998-04-21
/ INVENTOR: Chumakov, Lyra
/ SEQ ID NO 6082
/ LENGTH: 18
/ TYPE: DNA Homo Sapiens
/ FEATURE:
/ NAME/KEY: primer, bind
/ LOCATION: 1..18
/ OTHER INFORMATION: upstream application primer 99-8002 for SEQ 2148,
US-09-422-978-6082
Query Match
Best Local Similarity 1.0% Score 14.8; DB 1; Length 18;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 17 GAGCGGTGTGTAAAG 14
DB 1 GAGCGGTGTGTAAAG 18

RESULT 10
US-09-306-595C-30
/ Sequence 30, Application US/09306595C
/ Patent No. 6284556
/ APPLICANT: HOSHINO, Tetsuo
/ APPLICANT: OJIMA, Kaayuki
/ APPLICANT: SHIROUCHI, Yuka
/ APPLICANT: YAMAGUCHI, Yoko
/ FILE REFERENCE: ISOPRENOL PRODUCTION
/ CURRENT FILING DATE: 1999-05-06
/ CURRENT FILING DATE: 1999-05-06
/ PRIOR FILING DATE: 1998-05-06
/ NUMBER OF SEQ ID NOS: 43
/ SOFTWARE: Patent In Ver. 2.1
/ SEQ ID NO 30
/ LENGTH: 18
/ TYPE: DNA

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/ ORGANISM: Artificial Sequence
/ DESCRIPTION: Description of Artificial Sequence: Sense primer
/ OTHER INFORMATION: for cloning of 5'-adjacent region of MYK gene
US-09-306-595C-30
Query Match
Best Local Similarity 0.9% Score 14.4; DB 1; Length 18;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1170 GAGAGGTGAGGAAA 1185
DB 2 GAGAGGTGAGGAAA 17

RESULT 11
US-09-325-388-30
/ Sequence 30/54802
/ Accession 30/54802
/ GENERAL INFORMATION:
/ APPLICANT: HOSHINO, Tetsuo
/ APPLICANT: OJIMA, Kaayuki
/ APPLICANT: SHIROUCHI, Yuka
/ APPLICANT: YAMAGUCHI, Yoko
/ TITLE OR INVENTION: ISOPRENOL PRODUCTION
/ FILE REFERENCE: ISOPRENOL PRODUCTION
/ CURRENT FILING DATE: 1999-05-06
/ CURRENT FILING DATE: 2001-08-09
/ PRIOR APPLICATION NUMBER: 09/306,595
/ PRIOR FILING DATE: 1999-05-06
/ INVENTOR: HOSHINO, Tetsuo
/ INVENTOR: OJIMA, Kaayuki
/ INVENTOR: SHIROUCHI, Yoko
/ INVENTOR: YAMAGUCHI, Yoko
/ SEQ ID NO 30
/ LENGTH: 18
/ TYPE: DNA
/ FEATURE:
/ NAME/KEY: primer
/ OTHER INFORMATION: Description of Artificial Sequence: Sense primer
US-09-325-388-30
Query Match
Best Local Similarity 0.9% Score 14.4; DB 1; Length 18;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1170 GAGAGGTGAGGAAA 1185
DB 2 GAGAGGTGAGGAAA 17

Search completed October 12, 2005, 14:17:42
JOB time : 1 sec80

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258	19	1	2	19	1	US-10-861-160-57	Sequence 62, App1
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277	19	1	2	19	1	US-10-861-160-76	Sequence 81, App1
278	19	1	2	19	1	US-10-861-160-77	Sequence 82, App1
279	19	1	2	19	1	US-10-861-160-78	Sequence 83, App1
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610	17.4	1.1	1.9	US-10-686-311-189	Sequence 189	App	634	17.4	1.1	1.9	US-10-681-060-206	Sequence 206	App	634	17.4	1.1	1.9	US-10-681-060-206	Sequence 206	App
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612	17.4	1.1	1.9	US-10-686-311-191	Sequence 191	App	636	17.4	1.1	1.9	US-10-681-060-208	Sequence 208	App	636	17.4	1.1	1.9	US-10-681-060-208	Sequence 208	App
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693	17.4	1.1	21	US-10-861-00-36	Sequence 163, App	756	10.8	0.7	19	US-10-698-311-93	Sequence 92, App1
694	17.4	1.1	21	US-10-861-00-37	Sequence 164, App	757	10.8	0.7	19	US-10-698-311-93	Sequence 93, App1
695	17.4	1.1	21	US-10-861-00-38	Sequence 165, App	758	10.8	0.7	19	US-10-698-311-93	Sequence 94, App1
696	17.4	1.1	21	US-10-861-00-39	Sequence 166, App	759	10.8	0.7	19	US-10-698-311-93	Sequence 95, App1
697	17.4	1.1	21	US-10-861-00-40	Sequence 167, App	760	10.8	0.7	19	US-10-698-311-93	Sequence 96, App1
698	17.4	1.1	21	US-10-861-00-41	Sequence 168, App	761	10.8	0.7	19	US-10-698-311-93	Sequence 97, App1
699	17.4	1.1	21	US-10-861-00-42	Sequence 169, App	762	10.8	0.7	19	US-10-698-311-93	Sequence 98, App1
700	14.8	1.0	10	US-09-566-24-28	Sequence 80, App1	763	10.8	0.7	19	US-10-698-311-93	Sequence 99, App1
701	14.8	1.0	10	US-09-566-24-29	Sequence 81, App1	764	10.8	0.7	19	US-10-698-311-93	Sequence 100, App1
702	14.8	1.0	10	US-09-566-24-30	Sequence 82, App1	765	10.8	0.7	19	US-10-698-311-93	Sequence 101, App1
703	14.8	1.0	10	US-09-566-24-31	Sequence 83, App1	766	10.8	0.7	19	US-10-698-311-93	Sequence 102, App1
704	14.4	0.9	18	US-09-566-24-32	Sequence 84, App1	767	10.8	0.7	19	US-10-698-311-93	Sequence 103, App1
705	12.6	0.8	19	US-10-698-311-16	Sequence 5022, App	768	10.8	0.7	19	US-10-698-311-93	Sequence 104, App1
706	12.6	0.8	19	US-10-698-311-17	Sequence 5023, App	769	10.8	0.7	19	US-10-698-311-93	Sequence 105, App1
707	12.6	0.8	19	US-10-698-311-18	Sequence 5024, App	770	10.8	0.7	19	US-10-698-311-93	Sequence 106, App1
708	12.6	0.8	19	US-10-698-311-19	Sequence 5025, App	771	10.8	0.7	19	US-10-698-311-93	Sequence 107, App1
709	12.6	0.8	19	US-10-698-311-20	Sequence 5026, App	772	10.8	0.7	19	US-10-698-311-93	Sequence 108, App1
710	12.6	0.8	19	US-10-698-311-21	Sequence 5027, App	773	10.8	0.7	19	US-10-698-311-93	Sequence 109, App1
711	12.6	0.8	19	US-10-698-311-22	Sequence 5028, App	774	10.8	0.7	19	US-10-698-311-93	Sequence 110, App1
712	12.6	0.8	19	US-10-698-311-23	Sequence 5029, App	775	10.8	0.7	19	US-10-698-311-93	Sequence 111, App1
713	12.6	0.8	19	US-10-698-311-24	Sequence 5030, App	776	10.8	0.7	19	US-10-698-311-93	Sequence 112, App1
714	12.6	0.8	19	US-10-698-311-25	Sequence 5031, App	777	10.8	0.7	19	US-10-698-311-93	Sequence 113, App1
715	12.6	0.8	19	US-10-698-311-26	Sequence 5032, App	778	10.8	0.7	19	US-10-698-311-93	Sequence 114, App1
716	12.6	0.8	19	US-10-698-311-27	Sequence 5033, App	779	10.8	0.7	19	US-10-698-311-93	Sequence 115, App1
717	12.6	0.8	19	US-10-698-311-28	Sequence 5034, App	780	10.8	0.7	19	US-10-698-311-93	Sequence 116, App1
718	12.6	0.8	19	US-10-698-311-29	Sequence 5035, App	781	10.8	0.7	19	US-10-698-311-93	Sequence 117, App1
719	12.6	0.8	19	US-10-698-311-30	Sequence 5036, App	782	10.8	0.7	19	US-10-698-311-93	Sequence 118, App1
720	12.6	0.8	19	US-10-698-311-31	Sequence 5037, App	783	10.8	0.7	19	US-10-698-311-93	Sequence 119, App1
721	11.8	0.8	19	US-10-698-311-32	Sequence 5038, App	784	1				





c983	9.4	0.6	2.1	US-10-861-060-326	Sequence 276, App	c1055	9	0.6	2.1	US-10-861-060-314	Sequence 327, App
c985	9.4	0.6	2.1	US-10-861-060-728	Sequence 274, App	c1057	9	0.6	2.1	US-10-861-060-314	Sequence 331, App
c987	9.4	0.6	2.1	US-10-861-060-728	Sequence 274, App	c1059	9	0.6	2.1	US-10-861-060-314	Sequence 333, App
c989	9.4	0.6	2.1	US-10-861-060-728	Sequence 274, App	c1061	9	0.6	2.1	US-10-861-060-314	Sequence 335, App
c991	9.4	0.6	2.1	US-10-861-060-728	Sequence 274, App	c1063	9	0.6	2.1	US-10-861-060-314	Sequence 337, App
c993	9.4	0.6	2.1	US-10-861-060-316	Sequence 300, App	c1065	9	0.6	2.1	US-10-861-060-316	Sequence 339, App
c995	9.4	0.6	2.1	US-10-861-060-316	Sequence 300, App	c1067	9	0.6	2.1	US-10-861-060-316	Sequence 341, App
c997	9.4	0.6	2.1	US-10-861-060-316	Sequence 300, App	c1069	9	0.6	2.1	US-10-861-060-316	Sequence 343, App
c999	9.4	0.6	2.1	US-10-861-060-316	Sequence 300, App	c1071	9	0.6	2.1	US-10-861-060-316	Sequence 345, App
c1001	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1073	8	0.6	1.9	US-10-698-311-112	Sequence 144, App
c1003	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1075	8	0.6	1.9	US-10-698-311-112	Sequence 146, App
c1005	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1077	8	0.6	1.9	US-10-698-311-112	Sequence 148, App
c1007	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1079	8	0.6	1.9	US-10-698-311-112	Sequence 150, App
c1009	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1081	8	0.6	1.9	US-10-698-311-112	Sequence 152, App
c1011	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1083	8	0.6	1.9	US-10-698-311-112	Sequence 154, App
c1013	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1085	8	0.6	1.9	US-10-698-311-112	Sequence 156, App
c1015	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1087	8	0.6	1.9	US-10-698-311-112	Sequence 158, App
c1017	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1089	8	0.6	1.9	US-10-698-311-112	Sequence 160, App
c1019	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1091	8	0.6	1.9	US-10-698-311-112	Sequence 162, App
c1021	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1093	8	0.6	1.9	US-10-698-311-112	Sequence 164, App
c1023	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1095	8	0.6	1.9	US-10-698-311-112	Sequence 166, App
c1025	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1097	8	0.6	1.9	US-10-698-311-112	Sequence 168, App
c1027	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1099	8	0.6	1.9	US-10-698-311-112	Sequence 170, App
c1029	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1101	8	0.6	1.9	US-10-698-311-112	Sequence 172, App
c1031	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1103	8	0.6	1.9	US-10-698-311-112	Sequence 174, App
c1033	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1105	8	0.6	1.9	US-10-698-311-112	Sequence 176, App
c1035	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1107	8	0.6	1.9	US-10-698-311-112	Sequence 178, App
c1037	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1109	8	0.6	1.9	US-10-698-311-112	Sequence 180, App
c1039	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1111	8	0.6	1.9	US-10-698-311-112	Sequence 182, App
c1041	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1113	8	0.6	1.9	US-10-698-311-112	Sequence 184, App
c1043	9.2	0.6	1.9	US-10-698-311-112	Sequence 142, App	c1115	8				







Oy 673 GTCACAGGCTTCCTGCTGCTCT 695  
 Db 1 GTCACAGGCTTCCTGCTGCTCT 23  
 US-10-688-312-322  
 Publication No. US20040129671A1  
 GENERAL INFORMATION:  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Hebeatt, Peter  
 APPLICANT: Chovvitz, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (HMB904-372-A) Nucleic Acid (RNA)  
 CURRENT FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US/10/659,311  
 PRIOR FILING DATE: 2003-02-20 (US03/05028)  
 PRIOR APPLICATION NUMBER: US 60/359,480  
 PRIOR FILING DATE: 2002-02-20 (US02/0363,124)  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/400,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/409,393  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ IDS: 2003-01-15  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 332  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE:   
 CDS: 1..157  
 Description of Artificial Sequence: Target sequence/sRNA sense  
 US-10-698-311-325  
 Query Match: 1.5%; Score 23; DB 1; Length 23;  
 Matches: 24; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;  
 Oy 133 GCTGACCTGCTGACGCTTCCT 1357  
 Db 1 GCTGACCTGCTGACGCTTCCT 23  
 US-10-661-060-249  
 Publication No. US2005013755A1  
 GENERAL INFORMATION:  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Hebeatt, Peter  
 APPLICANT: Chovvitz, Bharat  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siRNA)  
 FILE REFERENCE: 400/142 (HMB904-372-A)  
 CURRENT FILING DATE: 2003-06-03

PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/826,566  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,403  
 PRIOR FILING DATE: 2004-01-14 (US04/0720,448)  
 PRIOR APPLICATION NUMBER: US 10/724,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US 10/444,353  
 PRIOR FILING DATE: 2003-10-23 (US03/05346)  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20 (US03/05028)  
 PRIOR APPLICATION NUMBER: US 10/659311  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US/03/034,146  
 PRIOR FILING DATE: 2003-04-30  
 Remaining Prior Application data removed - see file wrapper or PALM.  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO 249  
 LENGTH: 23  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE:   
 CDS: 1..171  
 Description of Artificial Sequence: Target Sequence/sRNA sense  
 US-10-661-060-249  
 OTHER INFORMATION:  
 Query Match: 1.5%; Score 23; DB 1; Length 23;  
 Best Local Similarity: 73.9%; Pred. No. 62;  
 Matches: 171; Conservative: 6; Mismatches: 0; Indels: 0; Gaps: 0;  
 Oy 389 GATACCTGCTGACCTGACCA 411  
 Db 1 GATACCTGCTGACCTGACCA 23  
 US-10-661-060-330  
 Publication No. US2005013755A1  
 GENERAL INFORMATION:  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Hebeatt, Peter  
 APPLICANT: Chovvitz, Bharat  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siRNA)  
 FILE REFERENCE: 400/142 (HMB904-372-A)  
 CURRENT FILING DATE: 2003-06-03  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/826,566  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,403  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US 10/444,353  
 PRIOR FILING DATE: 2003-10-23 (US03/05346)  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20 (US03/05028)  
 PRIOR APPLICATION NUMBER: US 10/659311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456

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1 PRIOR FILING DATE: 2004-04-30
2 Remaining prior application data removed - See File Wrapper or PALM.
3 NUMBER OF SEQ ID NOS: 374
4 SOFTWARE: Patent version 3.3
5 SEQ LENGTH: 23
6 TYPE: RNA
7 ORGANISM: Artificial Sequence
8
9 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
10 US-10-861-060-230
11
12 Query Match
13 Best Local Similarity 76.3%; Pval: No. 62;
14 Matches 18; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
15
16 Oy 422 GAAAGCTTCCTGAGAGGCTA 444
17 Db 1 GAAAGCTTCCTGAGAGGCTA 23
18
19 RESULT 7
20 US-10-861-060-231
21 Sequence 251, Application US/10661060
22 Publication No. US2005017155A1
23 GENERAL INFORMATION:
24 APPLICANT: Sirna Therapeutics, Inc.
25 APPLICANT: MesiVogen, James
26 APPLICANT: Chovetis, Janet
27 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
28 TITLE OF INVENTION: Short Interference Nucleic Acid (siRNA)
29 CURRENT FILING DATE: 2004-06-03/US41,060
30 PRIOR APPLICATION NUMBER: US 10/696,311
31 PRIOR FILING DATE: 2004-04-16
32 PRIOR APPLICATION NUMBER: US 10/757,803
33 PRIOR FILING DATE: 2003-11-24
34 PRIOR APPLICATION NUMBER: US 10/720,448
35 PRIOR FILING DATE: 2003-11-24
36 PRIOR APPLICATION NUMBER: US 10/444,853
37 PRIOR FILING DATE: 2003-05-23
38 PRIOR APPLICATION NUMBER: PCT/US03/05346
39 PRIOR FILING DATE: 2003-02-20
40 PRIOR APPLICATION NUMBER: PCT/US03/05028
41 PRIOR APPLICATION NUMBER: US 10/696311
42 PRIOR FILING DATE: 2004-04-30
43 PRIOR APPLICATION NUMBER: PCT/US04/13456
44 Remaining prior application data removed - See File Wrapper or PALM.
45 SEQ ID NO: 251
46 LENGTH: 23
47 TYPE: RNA
48 ORGANISM: Artificial Sequence
49
50 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
51 US-10-861-060-231
52
53 Query Match
54 Best Local Similarity 1.5%; Score 23; DB 1; Length 23;
55 Matches 14; Conservative 9; Mismatches 0; Indels 0; Gaps 0;
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57 Oy 673 GTAGAGAGGCTCTTATGCTGCT 695
58 Db 1 GTAGAGAGGCTCTTATGCTGCT 23

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1 PRIOR FILING DATE: 2004-04-30
2 Remaining prior application data removed - See File Wrapper or PALM.
3 NUMBER OF SEQ ID NOS: 374
4 SOFTWARE: Patent version 3.3
5 SEQ LENGTH: 23
6 TYPE: RNA
7 ORGANISM: Artificial Sequence
8
9 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
10 US-10-861-060-230
11
12 Query Match
13 Best Local Similarity 76.3%; Pval: No. 62;
14 Matches 18; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
15
16 Oy 422 GAAAGCTTCCTGAGAGGCTA 444
17 Db 1 GAAAGCTTCCTGAGAGGCTA 23
18
19 RESULT 8
20 US-10-861-060-232
21 Sequence 252, Application US/10661060
22 Publication No. US2005017155A1
23 GENERAL INFORMATION:
24 APPLICANT: Sirna Therapeutics, Inc.
25 APPLICANT: MesiVogen, James
26 APPLICANT: Chovetis, Janet
27 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
28 TITLE OF INVENTION: Short Interference Nucleic Acid (siRNA)
29 CURRENT FILING DATE: 2004-06-03/US41,060
30 PRIOR APPLICATION NUMBER: US 10/696,311
31 PRIOR FILING DATE: 2003-10-10/US4,966
32 PRIOR FILING DATE: 2004-04-16
33 PRIOR APPLICATION NUMBER: US 10/757,803
34 PRIOR FILING DATE: 2003-11-24
35 PRIOR APPLICATION NUMBER: US 10/720,448
36 PRIOR FILING DATE: 2003-11-24
37 PRIOR APPLICATION NUMBER: US 10/444,853
38 PRIOR FILING DATE: 2003-05-23
39 PRIOR APPLICATION NUMBER: PCT/US03/05346
40 PRIOR FILING DATE: 2003-02-20
41 PRIOR APPLICATION NUMBER: PCT/US03/05028
42 PRIOR APPLICATION NUMBER: US 10/696311
43 PRIOR FILING DATE: 2004-04-30
44 PRIOR APPLICATION NUMBER: PCT/US04/13456
45 Remaining prior application data removed - See File Wrapper or PALM.
46 SEQ ID NO: 252
47 LENGTH: 23
48 TYPE: RNA
49 ORGANISM: Artificial Sequence
50
51 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
52 US-10-861-060-252
53
54 Query Match
55 Best Local Similarity 60.9%; Pval: No. 62;
56 Matches 14; Conservative 0; Indels 0; Gaps 0;
57
58 Oy 1335 CTTGATGCTGCTGCTGCTGCT 1357
59 Db 1 CTTGATGCTGCTGCTGCTGCT 23
60
61 RESULT 9
62 US-10-931-2864-4/C
63 Sequence 400, Application US/0991286A
64 Publication No. US2005018659A1
65 GENERAL INFORMATION:
66 APPLICANT: Buncot, David
67 APPLICANT: MesiVogen, James
68 APPLICANT: MesiVogen, James
69 APPLICANT: MesiVogen, James
70 APPLICANT: MesiVogen, James
71 APPLICANT: MesiVogen, James
72 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
73 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
74 CURRENT FILING DATE: 2004-11-17
75 PRIOR APPLICATION NUMBER: PCT/US2004/18271
76 PRIOR FILING DATE: 2004-04-30
77 PRIOR APPLICATION NUMBER: US 60/416,947
78 PRIOR FILING DATE: 2003-06-09

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NUMBER OF SEQ ID NOS: 51  
 SEQUENCE: FASTSEQ for Windows version 4.0  
 SEQ ID NO: 4  
 LENGTH: 23  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Primer  
 OTHER INFORMATION: Primer  
 US-10-991-286A-4

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 Best Local Similarity: 100.0%, Pval: No. 62;  
 Matches 23; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;  
 Oy 195 GCGTGGACGACCGACGCGCTTT 217  
 Db 23 GCGTGGACGACCGACGCGCTTT 1

RESULT 10  
 US-10-991-286A-6/C  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Buncro, David  
 APPLICANT: Metropoulos, Demetrios M.  
 APPLICANT: Vornlocher, Hans-Peter  
 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE  
 CURRENT APPLICATION NUMBER: US/10/991-286A  
 CURRENT FILING DATE: 2004-11-17  
 PRIOR APPLICATION NUMBER: PCT/US2004/18271  
 PRIOR FILING DATE: 2003-06-09  
 NUMBER OF SEQ ID NOS: 51  
 SEQUENCE: FASTSEQ for Windows version 4.0  
 SEQ ID NO: 6  
 LENGTH: 23  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Primer  
 OTHER INFORMATION: Primer  
 US-10-991-286A-6

Query Match  
 Best Local Similarity: 100.0%, Pval: No. 62;  
 Matches 23; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;  
 Oy 203 GCAAGGCGCGGAGGACGCGCTTT 225  
 Db 23 GCAAGGCGCGGAGGACGCGCTTT 1

RESULT 11  
 US-10-991-286A-9/C  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Buncro, David  
 APPLICANT: Metropoulos, Demetrios M.  
 APPLICANT: Vornlocher, Hans-Peter  
 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE  
 CURRENT APPLICATION NUMBER: US/10/991-286A  
 CURRENT FILING DATE: 2004-11-17  
 PRIOR APPLICATION NUMBER: PCT/US2004/18271  
 PRIOR FILING DATE: 2003-06-09  
 NUMBER OF SEQ ID NOS: 51

SOFTWARE: FASTSEQ for Windows version 4.0  
 SEQ ID NO: 8  
 SEQUENCE: FASTSEQ for Windows version 4.0  
 LENGTH: 23  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Primer  
 OTHER INFORMATION: Primer  
 US-10-991-286A-9

Query Match  
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 Matches 23; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;  
 Oy 306 GCGTGGACGACCGACGCGCTTT 328  
 Db 23 GCGTGGACGACCGACGCGCTTT 1

RESULT 12  
 US-10-991-286A-12/C  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Buncro, David  
 APPLICANT: Metropoulos, Demetrios M.  
 APPLICANT: Vornlocher, Hans-Peter  
 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE  
 CURRENT APPLICATION NUMBER: US/10/991-286A  
 CURRENT FILING DATE: 2004-11-17  
 PRIOR APPLICATION NUMBER: PCT/US2004/18271  
 PRIOR FILING DATE: 2003-06-09  
 NUMBER OF SEQ ID NOS: 51  
 SEQUENCE: FASTSEQ for Windows version 4.0  
 SEQ ID NO: 12  
 LENGTH: 23  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Primer  
 OTHER INFORMATION: Primer  
 US-10-991-286A-12

Query Match  
 Best Local Similarity: 100.0%, Pval: No. 62;  
 Matches 23; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;  
 Oy 354 ATGAGAGGACGCGGACGCGCTTT 376  
 Db 23 ATGAGAGGACGCGGACGCGCTTT 1

RESULT 13  
 US-10-991-286A-13/C  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Buncro, David  
 APPLICANT: Metropoulos, Demetrios M.  
 APPLICANT: Vornlocher, Hans-Peter  
 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE  
 CURRENT APPLICATION NUMBER: US/10/991-286A  
 CURRENT FILING DATE: 2004-11-17  
 PRIOR APPLICATION NUMBER: PCT/US2004/18271  
 PRIOR FILING DATE: 2003-06-09  
 NUMBER OF SEQ ID NOS: 51  
 SEQUENCE: FASTSEQ for Windows version 4.0  
 SEQ ID NO: 13  
 LENGTH: 23  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Primer  
 OTHER INFORMATION: Primer  
 US-10-991-286A-13



SOFTWARE: Kopeclint 1.71  
SEQ ID NO 54  
LENGTH: 24  
TYPE: DNA  
ORGANISM: Artificial Sequence

Query Match  
Best Local Similarity 95.8%; Pred. No. 83;  
Matches 22; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Db 1 CTGACAGATGACCTTTTGAATG 427

RESULT 14  
US-10-980-400A-56/c  
Sequence 55: Application US/10908400A  
Publication No. US2005020102A1  
GENERAL INFORMATION:  
APPLICANT: KIM, Dong-Sun  
TITLE OF INVENTION: Novel peptides conferring environmental stress resistance and  
FILE REFERENCE: 508 NUMBER: US/10/990,400A  
CURRENT FILING DATE: 2005-05-10  
PRIOR APPLICATION NUMBER: US 10/713,451  
PRIOR FILING DATE: 2003-11-14  
BEST LOCAL SIMILARITY: 100.0%; Pred. No. 83;  
MATCHES 22; CONSERVATIVE 0; MISMATCHES 0; INDELS 0; GAPS 0;  
PRIOR FILING DATE: 2004-05-11  
PRIOR APPLICATION NUMBER: KR 10-2005-36882  
SOFTWARE: Kopeclint 1.71  
SEQ ID NO 55  
LENGTH: 24  
TYPE: DNA  
ORGANISM: Artificial Sequence

OTHER INFORMATION: Primer for site-directed mutagenesis to E123A

US-10-980-400A-55  
Query Match  
Best Local Similarity 95.8%; Pred. No. 69;  
Matches 23; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Db 24 CCGACAGAGGGATTAAAGAAG 427

RESULT 15  
US-10-980-850-41  
Sequence 41: Application US/10908050  
Publication No. US2005015298A1  
GENERAL INFORMATION:  
APPLICANT: Liew, Cheong-Chin  
TITLE OF INVENTION: LYSE CANCER BIOMARKERS  
FILE REFERENCE: 423,120B: US/10/980,850  
CURRENT FILING DATE: 2004-11-03  
PRIOR APPLICATION NUMBER: US/10/980,850  
CURRENT FILING DATE: 2004-11-03  
NUMBER OF SEQ ID NOS: 46  
SOFTWARE: Pilein version 3.1  
SEQ ID NO 41  
LENGTH: 23  
TYPE: RNA  
ORGANISM: Artificial

OTHER INFORMATION: Forward primer for SNCA

US-10-980-850-41  
Query Match  
Best Local Similarity 100.0%; Pred. No. 83;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 TGGCCAGAGAGAGAGAGGC 366

RESULT 16  
US-10-980-850-42/c  
Sequence 42: Application US/10908050  
Publication No. US2005015298A1  
GENERAL INFORMATION:  
APPLICANT: Liew, Cheong-Chin  
TITLE OF INVENTION: LYSE CANCER BIOMARKERS  
FILE REFERENCE: 423,120B: US/10/980,850  
CURRENT FILING DATE: 2004-11-03  
PRIOR APPLICATION NUMBER: US 60/516,853  
PRIOR FILING DATE: 2003-11-03  
BEST LOCAL SIMILARITY: 100.0%; Pred. No. 83;  
MATCHES 22; CONSERVATIVE 0; MISMATCHES 0; INDELS 0; GAPS 0;  
PRIOR FILING DATE: 2004-05-09  
PRIOR APPLICATION NUMBER: PCT/US2004/18271  
CURRENT FILING DATE: 2004-11-17  
SOFTWARE: Pilein version 3.1  
SEQ ID NO 42  
LENGTH: 23  
TYPE: RNA  
ORGANISM: Artificial

OTHER INFORMATION: Reverse primer for SNCA

US-10-980-850-42  
Query Match  
Best Local Similarity 100.0%; Pred. No. 83;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 22 TGCTTCGTGAGAGAGATCA 447

RESULT 17  
US-10-991-268A-10/c  
Sequence 10: Application US/10991268A  
Publication No. US2005018659A1  
GENERAL INFORMATION:  
APPLICANT: Bacter, David  
APPLICANT: Raster, Gregory J.  
APPLICANT: Vornlocher, Hans-Peter  
TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE  
FILE REFERENCE: 115/4100801  
CURRENT FILING DATE: 2004-06-09  
PRIOR APPLICATION NUMBER: PCT/US2004/18271  
CURRENT FILING DATE: 2004-11-17  
PRIOR FILING DATE: 2004-06-09  
PRIOR FILING DATE: 2004-06-09  
NUMBER OF SEQ ID NOS: 51  
SOFTWARE: Pilein version 3.1  
SEQ ID NO 40  
LENGTH: 23  
TYPE: RNA  
ORGANISM: Artificial

OTHER INFORMATION: Primer

US-10-991-268A-10  
Query Match  
Best Local Similarity 95.7%; Pred. No. 92;  
Matches 23; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Matches 22; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 229 GCGATGACAAATCTTGAGCA 251  
 DB 23 GCGATGACAAATCTTGAGCA 1

RESULT 18  
 US-10-991-286A-3  
 Sequence 3, Application US/10991286A  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Farrer, Matthew J.  
 APPLICANT: Vortelocher, Hans-Peter  
 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE  
 FILE REFERENCE: 11574-003001  
 CURRENT APPLICATION NUMBER: US/10/991,286A  
 PRIOR FILING DATE: 2004-11-17  
 PRIOR APPLICATION NUMBER: PCT/US2004/18271  
 PRIOR FILING DATE: 2004-06-09  
 PRIOR FILING DATE: 2004-06-09  
 NUMBER OF SEQ ID NOS: 51  
 SOFTWARE: PatsBio for Windows Version 4.0  
 SEQ ID NO 3  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Primer  
 US-10-991-286A-3

Query Match 144; Score 21; DB 1; Length 21;  
 Best Local Similarity 81.04; Pct. Id. 1.1e+02;  
 Matches 17; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 197 GATGATGACAACTGCTGCTCA 217  
 DB 1 GATGATGACAACTGCTGCTCA 21

RESULT 19  
 US-10-991-286A-5  
 Sequence 5, Application US/10991286A  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Farrer, Matthew J.  
 APPLICANT: Vortelocher, Hans-Peter  
 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE  
 FILE REFERENCE: 11574-003001  
 CURRENT APPLICATION NUMBER: US/10/991,286A  
 PRIOR FILING DATE: 2004-11-17  
 PRIOR APPLICATION NUMBER: PCT/US2004/18271  
 PRIOR FILING DATE: 2004-06-09  
 PRIOR FILING DATE: 2004-06-09  
 NUMBER OF SEQ ID NOS: 51  
 SOFTWARE: PatsBio for Windows Version 4.0  
 SEQ ID NO 5  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Primer  
 US-10-991-286A-5

Query Match 144; Score 21; DB 1; Length 21;  
 Best Local Similarity 80.54; Pct. Id. 1.1e+02;  
 Matches 19; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 205 AACGTCGCGCGAGCGGCA 225  
 DB 1 AACGTCGCGCGAGCGGCA 21

RESULT 20  
 US-10-991-286A-7  
 Sequence 7, Application US/10991286A  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Buncroft, David  
 APPLICANT: Farrer, Matthew J.  
 APPLICANT: Vortelocher, Hans-Peter  
 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE  
 FILE REFERENCE: 11574-003001  
 CURRENT APPLICATION NUMBER: US/10/991,286A  
 PRIOR FILING DATE: 2004-11-17  
 PRIOR APPLICATION NUMBER: PCT/US2004/18271  
 PRIOR FILING DATE: 2004-06-09  
 PRIOR FILING DATE: 2004-06-09  
 NUMBER OF SEQ ID NOS: 51  
 SOFTWARE: PatsBio for Windows Version 4.0  
 SEQ ID NO 7  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Primer  
 US-10-991-286A-7

Query Match 144; Score 21; DB 1; Length 21;  
 Best Local Similarity 71.44; Pct. Id. 1.1e+02;  
 Matches 15; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 308 ATTGCGCGCGCGAGCGGCTT 328  
 DB 1 ATTGCGCGCGCGAGCGGCTT 21

RESULT 21  
 US-10-991-286A-9  
 Sequence 9, Application US/10991286A  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Buncroft, David  
 APPLICANT: Farrer, Matthew J.  
 APPLICANT: Vortelocher, Hans-Peter  
 TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE  
 FILE REFERENCE: 11574-003001  
 CURRENT APPLICATION NUMBER: US/10/991,286A  
 PRIOR FILING DATE: 2004-11-17  
 PRIOR APPLICATION NUMBER: PCT/US2004/18271  
 PRIOR FILING DATE: 2004-06-09  
 PRIOR FILING DATE: 2004-06-09  
 NUMBER OF SEQ ID NOS: 51  
 SOFTWARE: PatsBio for Windows Version 4.0  
 SEQ ID NO 9  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Primer  
 US-10-991-286A-9

Query Match 144; Score 21; DB 1; Length 21;  
 Best Local Similarity 81.04; Pct. Id. 1.1e+02;  
 Matches 17; Conservative 4; Mismatches 0; Indels 0; Gaps 0;



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CURRENT APPLICATION NUMBER: US/10/776.013
PRIORITY DATE: 2001-09-10
PRIOR APPLICATION NUMBER: 09/948904
PRIOR FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: 09/465139
PRIOR FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: 60/113534
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 60/124120
PRIOR FILING DATE: 1999-06-10
PRIOR APPLICATION NUMBER: 60/141243
PRIOR FILING DATE: 1999-06-10
PRIOR APPLICATION NUMBER: 09/975072
PRIOR FILING DATE: 2000-10-11
PRIOR APPLICATION NUMBER: 60/240790
PRIOR FILING DATE: 2000-10-11
PRIOR APPLICATION NUMBER: 10/194667
PRIOR FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: 60/304775
PRIOR FILING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 695
SEQUENCE VERSION: 3.2
SEQ ID NO 180
LENGTH: 20
ORGANISM: Homo sapiens
SEQUENCE: DNA
US-10-776-013-180

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Query Match 1.3% Score 20; DB 1; Length 20;
Best Local Similarity 1.004% Pval No. 1.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 36 GATTTCACCTGACGATGATTT 57
20 TCAATACCTGACGATGATTT 1

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RESULT 27
US-10-776-013-181/c
Sequence 181, Application US/10776013
GENERAL INFORMATION:
PUBLICATION NO. US2004026056A1
APPLICANT: RECH, JEAN-MARC
APPLICANT: RECH, JEAN-MARC
APPLICANT: HELICEL, PAUL
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND
DISEASES
CURRENT APPLICATION NUMBER: US/10/776.013
CURRENT FILING DATE: 2004-02-09
PRIOR APPLICATION NUMBER: 09/948904
PRIOR FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: 09/465139
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 60/113534
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 60/124120
PRIOR FILING DATE: 1999-06-10
PRIOR APPLICATION NUMBER: 60/141243
PRIOR FILING DATE: 1999-06-10
PRIOR APPLICATION NUMBER: 09/975072
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 60/240790
PRIOR FILING DATE: 2000-10-11
PRIOR APPLICATION NUMBER: 10/194667
PRIOR FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 60/304775
NUMBER OF SEQ ID NOS: 695
SEQUENCE VERSION: 3.2
SEQ ID NO 181
SOFTWARE: Pile-Upin version 3.2
LENGTH: 20

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TYPE: DNA
ORGANISM: Homo sapiens
US-10-776-013-181
Query Match 1.3% Score 20; DB 1; Length 20;
Best Local Similarity 1.004% Pval No. 1.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 36 ATTTCACCTGACGATGATTT 55
20 TCAATACCTGACGATGATTT 1

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RESULT 28 US-10-776-013-182/c
Sequence 182, Application US/10776013
GENERAL INFORMATION:
PUBLICATION NO. US2004026056A1
APPLICANT: RECH, JEAN-MARC
APPLICANT: RECH, JEAN-MARC
APPLICANT: HELICEL, PAUL
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND
DISEASES
FILE REFERENCE: 1600.24
CURRENT APPLICATION NUMBER: US/10/776.013
CURRENT FILING DATE: 2004-02-09
PRIOR APPLICATION NUMBER: 09/948904
PRIOR FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: 09/465139
PRIOR FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: 60/113534
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 60/124120
PRIOR FILING DATE: 1999-06-10
PRIOR APPLICATION NUMBER: 60/141243
PRIOR FILING DATE: 1999-06-10
PRIOR APPLICATION NUMBER: 09/975072
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 60/240790
PRIOR FILING DATE: 2000-10-11
PRIOR APPLICATION NUMBER: 10/194667
PRIOR FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 60/304775
NUMBER OF SEQ ID NOS: 695
SEQUENCE VERSION: 3.2
SEQ ID NO 182
LENGTH: 20

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TYPE: DNA
ORGANISM: Homo sapiens
US-10-776-013-182

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Query Match 1.3% Score 20; DB 1; Length 20;
Best Local Similarity 1.004% Pval No. 1.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 34 GATTTCACCTGACGATGATTT 53
20 TCAATACCTGACGATGATTT 1

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RESULT 29
US-10-344-124-11
Sequence 11, Application US/10344124
GENERAL INFORMATION:
PUBLICATION NO. US20040101867A1
APPLICANT: PILZSCHKE, MATTHIAS
APPLICANT: PILZSCHKE, MATTHIAS
TITLE OF INVENTION: Use of microbial DNA sequences for the identification
of diseases
FILE REFERENCE: 1600.24
CURRENT APPLICATION NUMBER: US/10/344.124
CURRENT FILING DATE: 2003-02-07
SEQ ID NO 181
LENGTH: 20

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PRIOR APPLICATION NUMBER: SCT/1800/01127
PRIOR FILING DATE: 2000-08-16
NUMBER OF SEQ ID NOS: 56
SOFTWARE: Preclon Ver. 2.1
SEQUENCE LENGTH: 19
TYPE: DNA
ORGANISM: Escherichia coli
US-10-698-311-1
Query Match
Best Local Similarity: 100.0%; Pred. No. 28-02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1070 ATGTAATTAATGATGCTT 1088
DB 1 ATGTAATTAATGATGCTT 19

RESULT 30
US-10-698-311-1
US-10-698-311-1
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Schering-Plough, Inc.
APPLICANT: Schering-Plough, Inc.
APPLICANT: KMS-Agen, James
APPLICANT: Haberell, Peter
APPLICANT: Chovriva, Blaise
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/137 (HMBD03-198-A)
CURRENT APPLICATION NUMBER: US/10/698-311
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-07-11
PRIOR APPLICATION NUMBER: US 60/363,782
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR APPLICATION NUMBER: 60/408,378
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-03-15
PRIOR APPLICATION NUMBER: 60/440,129
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2
SEQ ID NO 1
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: Description of Artificial Sequence: Target Sequence/siNA sense 4
OTHER INFORMATION: Region
US-10-698-311-1
Query Match
Best Local Similarity: 84.2%; Pred. No. 28-02;
Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 3 ATGGCCGCTGACGACG 21
DB 1 ATGGCCGCTGACGACG 19

RESULT 31
US-10-698-311-2
US-10-698-311-2
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: KMS-Agen, James
APPLICANT: Haberell, Peter
APPLICANT: Chovriva, Blaise
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (HMBD03-198-A)
CURRENT APPLICATION NUMBER: US/10/698-311
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-07-11
PRIOR APPLICATION NUMBER: US 60/363,782
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/408,378
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-03-15
PRIOR APPLICATION NUMBER: 60/440,129
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patent version 3.2
SEQ ID NO 2
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: Description of Artificial Sequence: Target Sequence/siNA sense 1
OTHER INFORMATION: Region
US-10-698-311-2
Query Match
Best Local Similarity: 6.4%; Pred. No. 28-02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 21 GATGCTGTAATGATGCTT 39
DB 1 GATGCTGTAATGATGCTT 19

RESULT 32
US-10-698-311-3
US-10-698-311-3
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Schering-Plough, Inc.
APPLICANT: Schering-Plough, Inc.
APPLICANT: KMS-Agen, James
APPLICANT: Haberell, Peter
APPLICANT: Chovriva, Blaise
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/137 (HMBD03-198-A)
CURRENT APPLICATION NUMBER: US/10/698-311
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-07-11
PRIOR APPLICATION NUMBER: US 60/363,782
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR APPLICATION NUMBER: 60/408,378
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-03-15
PRIOR APPLICATION NUMBER: 60/440,129
NUMBER OF SEQ ID NOS: 3
SOFTWARE: Patent version 3.2
SEQ ID NO 3
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: Description of Artificial Sequence: Target Sequence/siNA sense 1
OTHER INFORMATION: Region
US-10-698-311-3
Query Match
Best Local Similarity: 1.2%; Pred. No. 28-02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GATGCTGTAATGATGCTT 39
DB 1 GATGCTGTAATGATGCTT 19

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1 PRIOR FILING DATE: 2002-06-06
2 PRIOR APPLICATION NUMBER: US 60/393,796
3 PRIOR FILING DATE: 2002-07-29
4 PRIOR APPLICATION NUMBER: 60/393,748
5 PRIOR FILING DATE: 2002-07-29
6 PRIOR APPLICATION NUMBER: US 60/406,784
7 PRIOR FILING DATE: 2002-09-05
8 PRIOR APPLICATION NUMBER: US 60/408,378
9 PRIOR FILING DATE: 2002-09-05
10 PRIOR APPLICATION NUMBER: US 60/409,293
11 PRIOR FILING DATE: 2003-01-15
12 PRIOR APPLICATION NUMBER: US 60/440,129
13 PRIOR FILING DATE: 2003-01-15
14 SOFTWARE: PatentIn version 3.2
15 SEQ ID NO 1:
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PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILING DATE: 2002-07-29
PRIOR FILING DATE: 2002-09-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-29
PRIOR APPLICATION NUMBER: 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
SOFTWARE: PatentIn version 3.2
SEQ ID NO 25
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-25
Query Match 1.2% Score 19; DB 1; Length 19;
Beet Local Similarity 89.5% Pred. No. 2e+02;
Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Oy 435 AGCAAGCTGATCAAGCA 433
1 ACGACCTGATCAAGCA 19
Db 1 ACGACCTGATCAAGCA 19
RESULT 55
US-10-698-311-56
Sequence 26, Application US/10698311
GENERAL INFORMATION:
PUBLICATION NO. US2004021967A1
APPLICANT: McSisgen, James
APPLICANT: Heebelli, Peter
TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/317 (NHB03-198-A)
CURRENT APPLICATION NUMBER: US/10/699,311
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: 60/409,293
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: 60/398,580
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/361,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/365,782
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-29
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
SOFTWARE: PatentIn version 3.2
SEQ ID NO 26
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-27
Query Match 1.2% Score 19; DB 1; Length 19;
Beet Local Similarity 63.2% Pred. No. 2e+02;
Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
Oy 471 AAATTCCTGCTCCGCT 469
1 ACGACCTGATCAAGCA 19
Db 1 ACGACCTGATCAAGCA 19
RESULT 57
US-10-698-311-58
Sequence 28, Application US/10698311
GENERAL INFORMATION:
PUBLICATION NO. US2004021967A1
APPLICANT: McSisgen, James
APPLICANT: Heebelli, Peter
TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/317 (NHB03-198-A)
CURRENT APPLICATION NUMBER: US/10/699,311
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: 60/409,293
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: 60/398,580
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/361,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/365,782
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-29
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: 60/440,129
PRIOR FILING DATE: 2003-01-15
SOFTWARE: PatentIn version 3.2
SEQ ID NO 27
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-27
Query Match 1.2% Score 19; DB 1; Length 19;
Beet Local Similarity 63.2% Pred. No. 2e+02;
Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
Oy 471 AAATTCCTGCTCCGCT 469
1 ACGACCTGATCAAGCA 19
Db 1 ACGACCTGATCAAGCA 19

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US-10-698-311-26
Query Match 1.2% Score 19; DB 1; Length 19;
Beet Local Similarity 89.5% Pred. No. 2e+02;
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Oy 483 ACGACCTGATCAAGCA 471
1 ACGACCTGATCAAGCA 19
Db 1 ACGACCTGATCAAGCA 19
RESULT 56
US-10-698-311-27
Sequence 27, Application US/10698311
GENERAL INFORMATION:
PUBLICATION NO. US2004021967A1
APPLICANT: Sina Therapeutics, Inc.
APPLICANT: McSisgen, James
APPLICANT: Heebelli, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/317 (NHB03-198-A)
CURRENT APPLICATION NUMBER: US/10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/398,580
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/361,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/365,782
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-29
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: 60/440,129
PRIOR FILING DATE: 2003-01-15
SOFTWARE: PatentIn version 3.2
SEQ ID NO 27
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-27
Query Match 1.2% Score 19; DB 1; Length 19;
Beet Local Similarity 63.2% Pred. No. 2e+02;
Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
Oy 471 AAATTCCTGCTCCGCT 469
1 ACGACCTGATCAAGCA 19
Db 1 ACGACCTGATCAAGCA 19
RESULT 57
US-10-698-311-28
Sequence 28, Application US/10698311
GENERAL INFORMATION:
PUBLICATION NO. US2004021967A1
APPLICANT: McSisgen, James
APPLICANT: Heebelli, Peter
TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/317 (NHB03-198-A)
CURRENT APPLICATION NUMBER: US/10/699,311
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: 60/409,293
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: 60/398,580
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/361,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/365,782
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-29
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: 60/440,129
PRIOR FILING DATE: 2003-01-15
SOFTWARE: PatentIn version 3.2
SEQ ID NO 28
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-28
Query Match 1.2% Score 19; DB 1; Length 19;
Beet Local Similarity 63.2% Pred. No. 2e+02;
Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
Oy 471 AAATTCCTGCTCCGCT 469
1 ACGACCTGATCAAGCA 19
Db 1 ACGACCTGATCAAGCA 19

```

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)  
 FILE REFERENCE: 400/137 (IMB003-198-A)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,560  
 PRIOR FILING DATE: 2003-03-11  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,139  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patentin version 3.2  
 SEQ ID NO 28  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense 1  
 US-10-698-311-28  
 Query Match 1: 24; Score 19; DB 1; Length 19;  
 Beat Local Similarity 5; Pctd No. 2e+02; 0; Mismatches 0; Indels 0;  
 Matches 13; Conservative 6; Mismatches 0; Indels 0;  
 DB 1 CANADICTOCTCATGTCATG 19  
 RESULT 59  
 US-10-698-311-30  
 Publication No. US20040219671A1  
 GENERAL INFORMATION:  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Heberill, Peter  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (IMB003-198-A)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,560  
 PRIOR FILING DATE: 2003-03-11  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patentin version 3.2  
 SEQ ID NO 30  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense 1  
 US-10-698-311-30  
 Query Match 1: 24; Score 19; DB 1; Length 19;  
 Beat Local Similarity 5; Pctd No. 2e+02; 0; Mismatches 0; Indels 0;  
 Matches 13; Conservative 6; Mismatches 0; Indels 0;  
 DB 1 CANADICTOCTCATGTCATG 19

PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patentin version 3.2  
 SEQ ID NO 29  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense 1  
 US-10-698-311-29  
 Query Match 1: 24; Score 19; DB 1; Length 19;  
 Beat Local Similarity 5; Pctd No. 2e+02; 0; Mismatches 0; Indels 0;  
 Matches 13; Conservative 6; Mismatches 0; Indels 0;  
 DB 1 CANADICTOCTCATGTCATG 19  
 RESULT 59  
 US-10-698-311-30  
 Publication No. US20040219671A1  
 GENERAL INFORMATION:  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Heberill, Peter  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (IMB003-198-A)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,560  
 PRIOR FILING DATE: 2003-03-11  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patentin version 3.2  
 SEQ ID NO 30  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense 1  
 US-10-698-311-30  
 Query Match 1: 24; Score 19; DB 1; Length 19;  
 Beat Local Similarity 5; Pctd No. 2e+02; 0; Mismatches 0; Indels 0;  
 Matches 13; Conservative 6; Mismatches 0; Indels 0;  
 DB 1 CANADICTOCTCATGTCATG 19

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Db      1 GAGGAGGAGGAGGAGGAGG 19
|||||:|||||:|||||:
RESULT 68
US-10-68-311-31
Sequence 31, Application US/10698311
Publication No. US2004021967A1
APPLICANT: MGS4igen, James
APPLICANT: Hebejill, Peter
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/137 (HBM03-198-A)
CURRENT APPLICATION NUMBER: US 60/409,393
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20 US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-03-11 US 60/366,782
PRIOR APPLICATION NUMBER: US 60/366,782
PRIOR FILING DATE: 2002-07-03 US 60/393,348
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2003-08-29 US 60/408,378
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2003-09-09 US 60/440,129
PRIOR FILING DATE: 2003-11-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense
US-10-68-311-31
Query Match
Best Local Similarity 68.41; Score 19; DB 1; Length 19;
Matches 11; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
Db      1 GAGGAGGAGGAGGAGGAGG 19
|||||:|||||:|||||:
RESULT 61
US-10-68-311-32
Sequence 32, Application US/10698311
Publication No. US2004021967A1
APPLICANT: MGS4igen, James
APPLICANT: Hebejill, Peter
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/137 (HBM03-198-A)
CURRENT APPLICATION NUMBER: US 60/409,393
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20

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PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20 US 60/363,124
PRIOR APPLICATION NUMBER: US 60/366,782
PRIOR FILING DATE: 2002-03-11 US 60/393,348
PRIOR APPLICATION NUMBER: US 60/393,348
PRIOR FILING DATE: 2002-07-29 US 60/406,784
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-08-29 US 60/409,393
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
SOFTWARE: Patent version 3.2
LENGTH: 19
SEQ ID NO 32
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense
US-10-68-311-32
Query Match
Best Local Similarity 57.91; Score 19; DB 1; Length 19;
Matches 11; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
Db      1 GAGGAGGAGGAGGAGGAGG 19
|||||:|||||:|||||:
RESULT 62
US-10-68-311-33
Sequence 33, Application US/10698311
Publication No. US2004021967A1
APPLICANT: MGS4igen, James
APPLICANT: Hebejill, Peter
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/137 (HBM03-198-A)
CURRENT APPLICATION NUMBER: US 60/409,393
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20 US 60/358,580
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11 US 60/393,348
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-07-03 US 60/408,378
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2002-09-09 US 60/440,129
PRIOR FILING DATE: 2003-11-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2

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/ SEQ ID NO 33
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-33
Query Match 1: 124; Score 19; DB 1; Length 19;
Best Local Similarity 63.74; Pval No. 2e+02;
Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
Cy 579 GATCTCAAGACCTCTTCAT 597
Db 1 GATCTCAAGACCTCTTCAT 19

RESULT 63
US-10-698-311-34
/ Publication No. US20040219671A1
/ GENERAL INFORMATION:
/ APPLICANT: Sigma Therapeutics, Inc.
/ APPLICANT: Hasbani, Peter
/ APPLICANT: Chovvita, Bharat
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (IMH003-198-A) Nucleic Acid (sRNA)
CURRENT FILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-20
PRIOR APPLICATION NUMBER: US 60/356,580
PRIOR FILING DATE: 2002-07-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: 60/408,378
PRIOR FILING DATE: 2002-09-15
PRIOR APPLICATION NUMBER: 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 60/393,796
SOFTWARE: PatentIn version 3.2
SEQ ID NO 34
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-34
Query Match 1: 124; Score 19; DB 1; Length 19;
Best Local Similarity 68.41; Pval No. 2e+02;
Matches 13; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
Cy 597 TCGGCGGCTTGGAGTAT 615
Db 1 TCGGCGGCTTGGAGTAT 19

RESULT 64
US-10-698-311-35
/ Sequence 35, Application US/10698311
/ Publication No. US20040219671A1
/ GENERAL INFORMATION:
/ APPLICANT: Sigma Therapeutics, Inc.
/ APPLICANT: Hasbani, Peter
/ APPLICANT: Chovvita, Bharat
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (IMH003-198-A) Nucleic Acid (sRNA)
CURRENT FILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-20
PRIOR APPLICATION NUMBER: US 60/356,580
PRIOR FILING DATE: 2002-07-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-07-20
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: 60/408,378
PRIOR FILING DATE: 2002-09-15
PRIOR APPLICATION NUMBER: 60/409,293
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 60/440,129
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 60/393,796
SOFTWARE: PatentIn version 3.2
SEQ ID NO 35
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-35
Query Match 1: 124; Score 19; DB 1; Length 19;
Best Local Similarity 73.71; Pval No. 2e+02;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
Cy 615 TCGGCGGCTTGGAGTAT 633
Db 1 TCGGCGGCTTGGAGTAT 19

RESULT 65
US-10-698-311-36
/ Sequence 36, Application US/10698311
/ Publication No. US20040219671A1
/ GENERAL INFORMATION:
/ APPLICANT: McSwigen, James
/ APPLICANT: Hasbani, Peter
/ APPLICANT: Chovvita, Bharat
/ TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/137 (IMH003-198-A) Nucleic Acid (sRNA)
CURRENT FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-03-11
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2002-07-20
PRIOR APPLICATION NUMBER: US 60/356,580
PRIOR FILING DATE: 2002-07-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: 60/408,378
PRIOR FILING DATE: 2002-09-15
PRIOR APPLICATION NUMBER: 60/409,293
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 60/440,129
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 60/393,796
SOFTWARE: PatentIn version 3.2
SEQ ID NO 36
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-36
Query Match 1: 124; Score 19; DB 1; Length 19;
Best Local Similarity 73.71; Pval No. 2e+02;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
Cy 633 TCGGCGGCTTGGAGTAT 651
Db 1 TCGGCGGCTTGGAGTAT 19

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PRIOR APPLICATION NUMBER: US 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 1  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense  
 US-10-698-311:47

Query Match 1:21; Score 19; DB 1; Length 19;  
 Best Local Similarity 42;1; Pct 100; Mismatches 0; Indels 0; Gaps 0;  
 Matches 8; Conservative 11; Mismatches 0;

Db 831 AGATTTCAGTTCCTTT 649  
 1 AAAAAAAAAAGGCGGCGGCGG 19

RESULT 77  
 US-10-698-311:48  
 Sequence 48, Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Sina Therapeutics, Inc.  
 APPLICANT: Mesdigen, James  
 APPLICANT: Hoechst, Peter  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US 60/408,378-A1  
 CURRENT FILING DATE: 2003-01-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/399,348  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 1  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense  
 US-10-698-311:48

Query Match 1:21; Score 19; DB 1; Length 19;  
 Best Local Similarity 66;4; Pct 100; Mismatches 0; Indels 0; Gaps 0;  
 Matches 13; Conservative 6; Mismatches 0;

Db 849 TATATATATCTCTAGGA 667  
 1 TATATATATCTCTAGGA 19

RESULT 78  
 US-10-698-311:49  
 Sequence 49, Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Sina Therapeutics, Inc.  
 APPLICANT: Mesdigen, James  
 APPLICANT: Hoechst, Peter  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US 60/408,378-A1  
 CURRENT FILING DATE: 2003-01-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/399,348  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 1  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense  
 US-10-698-311:49

Query Match 1:21; Score 19; DB 1; Length 19;  
 Best Local Similarity 68;4; Pct 100; Mismatches 0; Indels 0; Gaps 0;  
 Matches 13; Conservative 6; Mismatches 0;

Db 867 TATATATATCTCTAGGA 865  
 1 AAAAAAAAAAGGCGGCGG 19

RESULT 79  
 US-10-698-311:50  
 Sequence 50, Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Sina Therapeutics, Inc.  
 APPLICANT: Mesdigen, James  
 APPLICANT: Hoechst, Peter  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US 60/408,378-A1  
 CURRENT FILING DATE: 2003-01-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/399,348  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 1  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense  
 US-10-698-311:50



[illegible]

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PRION APPLICATION NUMBER: US 60/363,124
PRION FILING DATE: 2002-03-11 60/366,782
PRION FILING DATE: 2002-06-06
PRION APPLICATION NUMBER: US 60/393,796
PRION FILING DATE: 2002-07-03 60/399,148
PRION FILING DATE: 2002-08-29
PRION APPLICATION NUMBER: US 60/406,784
PRION FILING DATE: 2002-09-05
PRION APPLICATION NUMBER: US 60/409,293
PRION FILING DATE: 2002-09-09
PRION APPLICATION NUMBER: US 60/440,129
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Preclint version 3.2
SEQ ID NO 54
SEQ ID NO 55
TITLE: RNA
ORGANISM: Artificial Sequence
FEATURES: Description of Artificial Sequence
US-1069,111-51
Query Match Score 19; DB 1; Length 19;
Best Local Similarity: 41%; Pval: 0.0; Mismatch 0;
Mismatch 0; Gaps 0;
Sequence 957 TTTTACCACTTCGCGACT 975
Db 1 UUUUACCUUCUGCCAGUUU 19
RESULT 84
US-1069,111-55
Sequence 55: Application US1069311
Publication No. US2004023679A1
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Haeberlin, Peter
APPLICANT: Chowartz, Barzel
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (PMB03-186-A) Nucleic Acid (RNA)
CURRENT FILING DATE: 2003-10-16/698,111
CURRENT APPLICATION NUMBER: US/10,698,111
PRION FILING DATE: 2002-02-20 60/359,580
PRION FILING DATE: 2002-02-20 60/363,124
PRION FILING DATE: 2002-03-11 60/366,782
PRION FILING DATE: 2002-03-11 60/366,782
PRION FILING DATE: 2002-06-06
PRION FILING DATE: 2002-07-03 60/393,796
PRION FILING DATE: 2002-07-29
PRION APPLICATION NUMBER: US 60/406,784
PRION FILING DATE: 2002-09-05
PRION APPLICATION NUMBER: US 60/409,293
PRION FILING DATE: 2002-09-09
PRION APPLICATION NUMBER: US 60/440,129
NUMBER OF SEQ ID NOS: 110
SEQ ID NO 55seqIdn version 3.2
LENGTH: 19

```







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CURRENT APPLICATION NUMBER: US/10/698,311
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2003-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2003-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2003-03-11
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/393,348
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2002-09-15
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2002-09-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2
SEQ ID NO 61
SEQ ID NO 62
TYPE: RNA
APPLICANT: Hoffmann-La Roche, Inc.
PARENT: Hoffmann-La Roche, Inc.
ORGANISM: Artificial Sequence
SEQUENCE INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-61
Query Match 1:24; Score 19; DB 1; Length 19;
Best Local Similarity 71.24; Pctd No. 26+02;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
Q# 1083 AGCTGATGATCTACGACAAA 1101
1 AATGAAAGACGACGACAAA 19
RESULT 91
US-10-698-311-62
Sequence 62, Application US/10698311
Publication No. US20040219671A1
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Hoffmann-La Roche, Inc.
PARENT: Hoffmann-La Roche, Inc.
ORGANISM: Artificial Sequence
SEQUENCE INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (HMR03-128-A)
CURRENT FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2002-09-15
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2002-09-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2
SEQ ID NO 63
SEQ ID NO 64
TYPE: RNA
APPLICANT: Hoffmann-La Roche, Inc.
PARENT: Hoffmann-La Roche, Inc.
ORGANISM: Artificial Sequence
SEQUENCE INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-63
Query Match 1:24; Score 19; DB 1; Length 19;
Best Local Similarity 71.24; Pctd No. 26+02;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
Q# 1101 AATGAAAGACGACGACAAA 1119
1 AATGAAAGACGACGACAAA 19

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PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2
SEQ ID NO 62
SEQ ID NO 63
TYPE: RNA
APPLICANT: Hoffmann-La Roche, Inc.
PARENT: Hoffmann-La Roche, Inc.
ORGANISM: Artificial Sequence
SEQUENCE INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-62
Query Match 1:24; Score 19; DB 1; Length 19;
Best Local Similarity 84.24; Pctd No. 26+02;
Matches 16; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
Q# 1101 AATGAAAGACGACGACAAA 1119
1 AATGAAAGACGACGACAAA 19
RESULT 92
US-10-698-311-63
Sequence 63, Application US/10698311
Publication No. US20040219671A1
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Hoffmann-La Roche, Inc.
PARENT: Hoffmann-La Roche, Inc.
ORGANISM: Artificial Sequence
SEQUENCE INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (HMR03-128-A)
CURRENT FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2002-09-15
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2002-09-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2
SEQ ID NO 63
SEQ ID NO 64
TYPE: RNA
APPLICANT: Hoffmann-La Roche, Inc.
PARENT: Hoffmann-La Roche, Inc.
ORGANISM: Artificial Sequence
SEQUENCE INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-63
Query Match 1:24; Score 19; DB 1; Length 19;
Best Local Similarity 84.24; Pctd No. 26+02;
Matches 16; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
Q# 1119 AGCTGATGATCTACGACAAA 1137
1 AATGAAAGACGACGACAAA 19

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RESULT 33
US-10-698-311-64
Sequence 64, Application US/10698311
PUBLICATION NO. US20040219671A1
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Mesagen, James
APPLICANT: Heeswijk, Peter
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/137 (MEMB03-198-A)
CURRENT FILING DATE: 2003-10-31/0698,311
PRIOR FILING DATE: 2003-02-20/60/358,580
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20/60/358,580
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2003-03-11/60/386,782
PRIOR FILING DATE: 2003-06-06/60/363,124
PRIOR FILING DATE: 2003-07-03/99,348
PRIOR FILING DATE: 2003-07-03/99,348
PRIOR FILING DATE: 2003-07-03/99,348
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2003-08-28/60/409,378
PRIOR FILING DATE: 2003-09-05/60/409,393
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2003-09-09/60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NOS:
NAME: PatentIn version 3.2
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
APPLICANT: Mesagen, James
APPLICANT: Heeswijk, Peter
APPLICANT: Sigma Therapeutics, Inc.
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense
US-10-698-311-64
Query Match
Beet Local Similarity: 63.2%; Pctd. No. 2e+02; Length 19;
Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
1337 TATTATAGGCTTGTGAG 1155
1 TATDANNAACCATCTGAG 19

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PRIOR FILING DATE: 2003-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2003-06-06/60/393,796
PRIOR FILING DATE: 2003-07-03
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILING DATE: 2003-07-29/60/406,784
PRIOR FILING DATE: 2003-08-28
PRIOR APPLICATION NUMBER: US 60/409,378
PRIOR FILING DATE: 2003-09-05/60/409,393
PRIOR FILING DATE: 2003-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2
SEQ ID NO 65
US-10-698-311-65
TYPE: RNA
ORGANISM: Artificial Sequence
APPLICANT: Mesagen, James
APPLICANT: Heeswijk, Peter
APPLICANT: Sigma Therapeutics, Inc.
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense
US-10-698-311-65
Query Match
Beet Local Similarity: 63.2%; Pctd. No. 2e+02; Length 19;
Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
1337 TATTATAGGCTTGTGAG 1173
1 TATDANNAACCATCTGAG 19

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RESULT 34
US-10-698-311-65
Sequence 65, Application US/10698311
PUBLICATION NO. US20040219671A1
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Mesagen, James
APPLICANT: Heeswijk, Peter
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/137 (MEMB03-198-A)
CURRENT FILING DATE: 2003-10-31/0698,311
PRIOR FILING DATE: 2003-02-20/60/358,580
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20/60/358,580
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2003-03-11/60/386,782
PRIOR FILING DATE: 2003-06-06/60/363,124
PRIOR FILING DATE: 2003-07-03/99,348
PRIOR FILING DATE: 2003-07-03/99,348
PRIOR FILING DATE: 2003-07-03/99,348
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2003-08-28/60/409,378
PRIOR FILING DATE: 2003-09-05/60/409,393
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2003-09-09/60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NOS:
NAME: PatentIn version 3.2
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
APPLICANT: Mesagen, James
APPLICANT: Heeswijk, Peter
APPLICANT: Sigma Therapeutics, Inc.
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense
US-10-698-311-65
Query Match
Beet Local Similarity: 63.2%; Pctd. No. 2e+02; Length 19;
Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
1337 TATTATAGGCTTGTGAG 1155
1 TATDANNAACCATCTGAG 19

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PRIOR FILING DATE: 2002-08-29
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 210
SOFTWARE: PatentIn version 3.2
SEQUENCE: PatentIn version 3.2
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-80
Query Match 1 24 Score 19, DB 1, Length 19,
Beet Local Similarity 52.6% Pred No. 2e+02
Matches 10/ Conservative 9/ Mismatches 0/ Indels 0/ Gaps 0/

Cy 1425 GCGTTTATTTTCCTGGA 1443
Db 1 CCGGAAUUUUUACACUAAUU 19

RESULT 110
US-10-698-311-81
Sequence 81, Application US/10698311
GENERAL INFORMATION:
APPLICANT: MesSagen, James
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: Chovvita, Bharee
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CURRENT FILING DATE: 2003-10-31/0/698,311
CURRENT APPLICATION NUMBER: US/10/698,311
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2
SEQUENCE: PatentIn version 3.2
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-82
Query Match 1 24 Score 19, DB 1, Length 19,
Beet Local Similarity 52.6% Pred No. 2e+02
Matches 10/ Conservative 9/ Mismatches 0/ Indels 0/ Gaps 0/

Cy 1461 TATATTTTCCTGGA 1479
Db 1 AAAGUUUUUUACUAAUU 19

RESULT 112
US-10-698-311-83
Sequence 83, Application US/10698311
GENERAL INFORMATION:
APPLICANT: MesSagen, James
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: Chovvita, Bharee
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CURRENT FILING DATE: 2003-10-31
CURRENT APPLICATION NUMBER: US/10/698,311

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US-10-698-311-86  
Sequence 86, Application US/10698311  
GENERA: INHOMO, US 02004021967A1  
APPLICANT: Strima Therapeutics, Inc.  
INVENTOR: Hershfield, Peter  
APPLICANT: McGivern, James  
APPLICANT: McGivern, Peter  
TITLE OF INVENTION: RNA Interfering Nucleic Acid (RNAi)  
FILE REFERENCE: 400/137 (IMH03-196A)  
CURRENT FILING DATE: 2003-10-11  
PRIOR FILING DATE: 2003-07-20  
PRIOR APPLICATION NUMBER: PCT/US03/05028  
PRIOR FILING DATE: 2003-07-20  
PRIOR APPLICATION NUMBER: US 60/361124  
PRIOR FILING DATE: 2002-02-26  
PRIOR APPLICATION NUMBER: US 60/361124  
PRIOR FILING DATE: 2002-03-11  
PRIOR FILING DATE: 2002-06-06  
PRIOR APPLICATION NUMBER: US 60/391796  
PRIOR FILING DATE: 2002-07-03  
PRIOR FILING DATE: 2002-07-03  
PRIOR APPLICATION NUMBER: US 60/391348  
PRIOR FILING DATE: 2002-08-29  
PRIOR FILING DATE: 2002-08-29  
PRIOR APPLICATION NUMBER: US 60/408378  
PRIOR FILING DATE: 2002-09-09  
PRIOR APPLICATION NUMBER: US 60/409293  
PRIOR FILING DATE: 2002-09-09  
PRIOR APPLICATION NUMBER: US 60/440129  
PRIOR FILING DATE: 2002-10-15  
NUMBER OF SEQ ID NOS: 310  
SOFTWARE: Picteln version 3.2  
SEQ ID NO: 86  
SEQUENCE 86  
TYPE: RNA  
ORGANISM: Artificial Sequence  
FEATURES: Description of Artificial Sequence: Target Sequence/sRNA sense R  
Query Match: 1.24; Score 19; DB 1; Length 19;  
Query Similarity: 7.78; Pct: 100; 25+02; 0; Indels 0; Gaps 0;  
Matches: 14; Conservative: 5; Mismatch: 0;  
DB 1523 AATGAATGATTCGACCA 1541  
1 AAAAAAAAAAAAAAAAAAAAAA 15

```

PRIOR FILLING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILLING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILLING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILLING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,478
PRIOR FILLING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILLING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILLING DATE: 2002-10-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2
SEQ ID NO 87
SEQUENCE: 1
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: s1m antisense region
US-699,311-87
Query Match 1,21; Score 19; DB 1; Length 19;
Base Local Similarity 100.0%; Pctd NO. 26-02;
Residue 1; Conservative 0; Mismatch 0; Indels 0; Gaps 0;
3 AATGCGCATTCGACGACG 21
19 AATGCGCATTCGACGACG 1
Db

RESULT:17
US-699,311-88/c
Sequence 88 Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: NCS-18gen, James
APPLICANT: Heideblei, Peter
APPLICANT: Chavarriz, Bharat
TITLE OF INVENTION: Short antisense mediated treatment of Parkinson Disease Using Nucleic Acid (DNA)
FILE REFERENCE: 400/1437 (NMR803-195-A)
CURRENT APPLICATION NUMBER: US/10/659,311
PRIOR FILLING DATE: 2002-03-10
PRIOR APPLICATION NUMBER: 60/0803/05028
PRIOR FILLING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILLING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: 60/463,124
PRIOR FILLING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILLING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILLING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILLING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: 60/406,784
PRIOR FILLING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,478
PRIOR FILLING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: 60/409,293
PRIOR FILLING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILLING DATE: 2003-01-15
SOFTWARE: Patent version 3.2
SEQ ID NO 88
LENGTH: 19
SEQUENCE: 1
ORGANISM: Artificial Sequence
FEATURE:

```





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PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/356,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/366,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/399,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NO 94
LENGTH: 19
TYPE: RNA
ARTIFICIAL SEQUENCE
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-698-311-94
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pct. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19 AMOCCGCGAAGAACGAA 1
129 AMOCCGCGAAGAACGAA 147
RESULT 124
US-10-698-311-95/c
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Elton Therapeutics, Inc.
INVENTOR: Elton Therapeutics, Inc.
APPLICANT: Haberell, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 406/131 (HEH03-198-A)
CURRENT FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-02-20 (US03/05028)
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2003-02-20 (US03/053,124)
PRIOR APPLICATION NUMBER: US 60/366,782
PRIOR FILING DATE: 2003-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2003-06-06 (US03/053,796)
PRIOR APPLICATION NUMBER: 60/393,348
PRIOR FILING DATE: 2003-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2003-08-29 (US03/053,784)
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2003-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310

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SOFTWARE: Patentin version 3.2
SEQ ID NO 95
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURES INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-698-311-95
Query Match 1.3% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pct. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19 AMOCCGCGAAGAACGAA 1
147 AMOCCGCGAAGAACGAA 165
RESULT 125
US-10-698-311-96/c
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Elton Therapeutics, Inc.
INVENTOR: Elton Therapeutics, Inc.
APPLICANT: Haberell, Peter
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 406/131 (HEH03-198-A)
CURRENT FILING DATE: 2003-10-31 (US03/05028)
PRIOR FILING DATE: 2003-02-20 (US03/053,124)
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2003-02-20 (US03/056,580)
PRIOR FILING DATE: 2003-06-06 (US03/059,348)
PRIOR FILING DATE: 2003-07-29 (US03/053,796)
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2003-07-29 (US03/056,784)
PRIOR FILING DATE: 2003-08-29 (US03/053,784)
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2003-09-09 (US03/053,784)
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patentin version 3.2
SEQ ID NO 96
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-698-311-96
Query Match 1.3% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pct. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19 AMOCCGCGAAGAACGAA 1
165 AMOCCGCGAAGAACGAA 183
RESULT 126
US-10-698-311-97/c

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Sequence 97, Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesdaggen, James  
 APPLICANT: Chovvira, Shakti  
 APPLICANT: Chovvira, Shakti  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)  
 CURRENT FILING DATE: 2003-10-31/06/98,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-02-20/US 60/358,580  
 PRIOR APPLICATION NUMBER: US 60/353,124  
 PRIOR FILING DATE: 2002-06-06/US 60/386,782  
 PRIOR APPLICATION NUMBER: US 60/393,348  
 PRIOR FILING DATE: 2002-07-29/US 60/406,784  
 PRIOR APPLICATION NUMBER: US 60/408,798  
 PRIOR FILING DATE: 2002-09-05/US 60/409,293  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15/US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 97  
 LENGTH: 19  
 TYPE: RNA  
 ORIGIN: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-698-311-97  
 Query Match  
 Best Local Similarity 100.4% Pct: 100.0% Length 19;  
 Matches 19/ Conservative 0/ Mismatches 0/ Indels 0/ Gaps 0;  
 19 AGCGAGTGTGCGATCGTGT 201  
 13 AGCGAGTGTGCGATCGTGT 1

RESULT 127  
 US-10-698-311-98/c  
 Sequence 98, Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesdaggen, James  
 APPLICANT: Chovvira, Shakti  
 APPLICANT: Chovvira, Shakti  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MEMB03-188-6 Nucleic Acid (siRNA))  
 CURRENT FILING DATE: 2003-10-31/US/698,311  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20/US 60/386,782  
 PRIOR APPLICATION NUMBER: US 60/393,348  
 PRIOR FILING DATE: 2002-07-29/US 60/406,784  
 PRIOR APPLICATION NUMBER: US 60/408,798  
 PRIOR FILING DATE: 2002-09-05/US 60/409,293  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15/US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 98  
 LENGTH: 19  
 TYPE: RNA  
 ORIGIN: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-698-311-99/c  
 Sequence 99, Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesdaggen, James  
 APPLICANT: Chovvira, Shakti  
 APPLICANT: Chovvira, Shakti  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MEMB03-188-6 Nucleic Acid (siRNA))  
 CURRENT FILING DATE: 2003-10-31/US/698,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-02-20/US 60/358,580  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-07-29/US 60/406,784  
 PRIOR APPLICATION NUMBER: US 60/408,798  
 PRIOR FILING DATE: 2002-09-05/US 60/409,293  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15/US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 99  
 LENGTH: 19  
 TYPE: RNA  
 ORIGIN: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-698-311-100/c  
 Sequence 100, Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesdaggen, James  
 APPLICANT: Chovvira, Shakti  
 APPLICANT: Chovvira, Shakti  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MEMB03-188-6 Nucleic Acid (siRNA))  
 CURRENT FILING DATE: 2003-10-31/US/698,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-02-20/US 60/358,580  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-07-29/US 60/406,784  
 PRIOR APPLICATION NUMBER: US 60/408,798  
 PRIOR FILING DATE: 2002-09-05/US 60/409,293  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15/US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 100  
 LENGTH: 19  
 TYPE: RNA  
 ORIGIN: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region







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PRIO APPLICATION NUMBER: US 60/356,580
PRIO FILING DATE: 2002-07-20
PRIO APPLICATION NUMBER: US 60/363,124
PRIO FILING DATE: 2002-07-20
PRIO APPLICATION NUMBER: US 60/366,782
PRIO FILING DATE: 2002-06-06
PRIO APPLICATION NUMBER: US 60/393,796
PRIO FILING DATE: 2002-07-29
PRIO APPLICATION NUMBER: US 60/406,784
PRIO FILING DATE: 2002-09-05
PRIO APPLICATION NUMBER: US 60/408,378
PRIO FILING DATE: 2003-01-15
PRIO APPLICATION NUMBER: US 60/440,129
PRIO FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQUENCE LENGTH: 19
SEQUENCE VERSION: 3.2
SEQ ID NO: 106
TYPE: RNA
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-106
Query Match
Blast Local Similarity 100.0%; P-val: No. 2e+02; Length 19;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
327 TGTCTAAAGAGACCACTT 345
19 TGTCTAAAGAGACCACTT 1
RESULT 135
US-10-698-311-106/c
Publication No. US20040219671A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Hebert, Peter
APPLICANT: Hebert, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (MBH803-198-A)
CURRENT APPLICATION NUMBER: US/10/698,311
CURRENT FILING DATE: 2003-10-11
PRIO APPLICATION NUMBER: US 60/356,580
PRIO FILING DATE: 2003-07-20
PRIO APPLICATION NUMBER: US 60/356,580
PRIO FILING DATE: 2002-02-20
PRIO APPLICATION NUMBER: US 60/363,124
PRIO FILING DATE: 2002-01-11
PRIO APPLICATION NUMBER: US 60/366,782
PRIO FILING DATE: 2002-06-06
PRIO APPLICATION NUMBER: 60/393,796
PRIO FILING DATE: 2002-07-29
PRIO APPLICATION NUMBER: 60/406,784
PRIO FILING DATE: 2002-09-05
PRIO APPLICATION NUMBER: US 60/408,378
PRIO FILING DATE: 2002-09-05
PRIO APPLICATION NUMBER: US 60/440,129
PRIO FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2

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SEQ ID NO 106
TYPE: RNA
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-106
Query Match
Blast Local Similarity 100.0%; P-val: No. 2e+02; Length 19;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
345 TGTCTAAAGAGACCACTT 363
19 TGTCTAAAGAGACCACTT 1
RESULT 136
US-10-698-311-107/c
Sequence 107; Application US/10698311
Publication No. US20040219671A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Hebert, Peter
APPLICANT: Hebert, Peter
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/137 (MBH803-198-A)
CURRENT APPLICATION NUMBER: US/10/698,311
CURRENT FILING DATE: 2003-10-11
PRIO APPLICATION NUMBER: PCT/US03/05028
PRIO FILING DATE: 2003-02-20
PRIO APPLICATION NUMBER: US 60/356,580
PRIO FILING DATE: 2003-07-20
PRIO APPLICATION NUMBER: US 60/363,124
PRIO FILING DATE: 2002-03-11
PRIO APPLICATION NUMBER: US 60/366,782
PRIO FILING DATE: 2002-06-06
PRIO APPLICATION NUMBER: US 60/393,796
PRIO FILING DATE: 2002-07-29
PRIO APPLICATION NUMBER: US 60/406,784
PRIO FILING DATE: 2002-08-29
PRIO APPLICATION NUMBER: 60/408,378
PRIO FILING DATE: 2002-09-05
PRIO APPLICATION NUMBER: US 60/409,293
PRIO FILING DATE: 2002-09-09
PRIO APPLICATION NUMBER: US 60/440,129
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 107
TYPE: RNA
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-107
Query Match
Blast Local Similarity 100.0%; P-val: No. 2e+02; Length 19;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
363 TGTCTAAAGAGACCACTT 381
19 TGTCTAAAGAGACCACTT 1
RESULT 137
US-10-698-311-108/c
Sequence 108; Application US/10698311

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GENERAL INFORMATION: US2004021967A1
PRIORITY INFORMATION: US2003/021967A1
APPLICANT: MedSagen, Inc.
APPLICANT: MedSagen, James
APPLICANT: Habsell, Peter
APPLICANT: Chovatta, Bharat
TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (VEM03-198-A)
CURRENT APPLICATION NUMBER: US/70/659, 211
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-06-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-06-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/406,194
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/408,329
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,376
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: US 60/440,129
SOFTWARE: PROTEIN version 3.2
SPC ID NO 108
LENGTH: 19
ORIGIN: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-698-111-108
Query Match 1,2); Score 19; DB 1; Length 19;
Best Local Statistic 100.0%; Pval. No. 26+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
381 TTTCGAGAGTATCTCCCTG 399
19 TTTCGAGAGTATCTCCCTG 1
RESULT 138
US-10-698-111-109/c
Sequence 109, Application US/1668811
GENERAL INFORMATION: US2003/021967A1
APPLICANT: MedSagen, Inc.
APPLICANT: MedSagen, James
APPLICANT: Habsell, Peter
APPLICANT: Chovatta, Bharat
TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (VEM03-198-A)
CURRENT APPLICATION NUMBER: US/70/659, 211
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-06-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-06-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2003-06-06

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1 PRIOR APPLICATION NUMBER: 2002-07-03
2 PRIOR APPLICATION NUMBER: 60/139,348
3 PRIOR APPLICATION NUMBER: US 60/406,784
4 PRIOR FILING DATE: 2002-08-23
5 PRIOR APPLICATION NUMBER: US 60/408,378
6 PRIOR FILING DATE: 2002-09-09
7 PRIOR APPLICATION NUMBER: US 60/409,393
8 PRIOR FILING DATE: 2002-09-09
9 PRIOR APPLICATION NUMBER: US 60/440,129
10 PRIOR FILING DATE: 2003-01-15
11 NUMBER OF SEQ ID NOS: 13
12 SOFTWARE: preclen version 3.2
13 SEQ ID NO 109
14 LENGTH: 19
15 ORGANISM: Artificial Sequence
16 FEATURE:
17 OTHER INFORMATION: Description of Artificial Sequence: g1m1m antisense region
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PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-29  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ IDS: 110  
 SOFTWARE: SeqMan version 3.2  
 SEQ ID NO 113  
 LENGTH: 19  
 ORGANISM: Homo sapiens  
 ORIGIN: RNA  
 FEATURE: Artificial Sequence

US-10-698-311-113  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity: 100.0%; Pval: No.2e+02;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

471 AAAAAAAAAATTCCTGCAAT 689  
 DB 19 AAAAAAAAAATTCCTGCAAT 1

RESULT 143  
 Sequence 114 Application US/10698311  
 Publication No. US2004021871A1  
 GENERAL INFORMATION:  
 APPLICANT: MMS-Depend, Inc.  
 APPLICANT: MMS-Depend, Inc.  
 APPLICANT: Hebebell, Peter

TITLE OF INVENTION: Short Interfering Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (HMBDD-198-A)

CURRENT FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US/10/659,311

PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US/0503/05028

PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/386,782

PRIOR FILING DATE: 2002-07-06  
 PRIOR APPLICATION NUMBER: US 60/393,796

PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348

PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/409,293

PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129

NUMBER OF SEQ IDS: 115  
 SOFTWARE: PatentIn version 3.2

SEQ ID NO 114  
 LENGTH: 19  
 ORGANISM: Homo sapiens  
 ORIGIN: RNA  
 FEATURE: Artificial Sequence

US-10-698-311-114  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity: 100.0%; Pval: No.2e+02;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

489 TTTTCTGATTCCTGCAAT 507  
 DB 19 TTTTCTGATTCCTGCAAT 1

PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-29  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ IDS: 110  
 SOFTWARE: SeqMan version 3.2  
 SEQ ID NO 113  
 LENGTH: 19  
 ORGANISM: Homo sapiens  
 ORIGIN: RNA  
 FEATURE: Artificial Sequence

US-10-698-311-115/c  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity: 100.0%; Pval: No.2e+02;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

471 AAAAAAAAAATTCCTGCAAT 689  
 DB 19 AAAAAAAAAATTCCTGCAAT 1

RESULT 144  
 Sequence 115 Application US/10698311  
 Publication No. US2004021871A1  
 GENERAL INFORMATION:  
 APPLICANT: MMS-Depend, Inc.  
 APPLICANT: MMS-Depend, Inc.  
 APPLICANT: Hebebell, Peter

TITLE OF INVENTION: Short Interfering Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (HMBDD-198-A)

CURRENT FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US/10/659,311

PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US/0503/05028

PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/386,782

PRIOR FILING DATE: 2002-07-06  
 PRIOR APPLICATION NUMBER: US 60/393,796

PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348

PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/409,293

PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129

NUMBER OF SEQ IDS: 115  
 SOFTWARE: PatentIn version 3.2

SEQ ID NO 115  
 LENGTH: 19  
 ORGANISM: Homo sapiens  
 ORIGIN: RNA  
 FEATURE: Artificial Sequence

US-10-698-311-115  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity: 100.0%; Pval: No.2e+02;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

507 CAGATGTCATTCCTGCAAT 525  
 DB 19 CAGATGTCATTCCTGCAAT 1

PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-29  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ IDS: 110  
 SOFTWARE: SeqMan version 3.2  
 SEQ ID NO 114  
 LENGTH: 19  
 ORGANISM: Homo sapiens  
 ORIGIN: RNA  
 FEATURE: Artificial Sequence

US-10-698-311-116/c  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity: 100.0%; Pval: No.2e+02;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

489 TTTTCTGATTCCTGCAAT 507  
 DB 19 TTTTCTGATTCCTGCAAT 1

RESULT 145  
 Sequence 116 Application US/10698311  
 Publication No. US2004021871A1  
 GENERAL INFORMATION:  
 APPLICANT: MMS-Depend, Inc.  
 APPLICANT: MMS-Depend, Inc.  
 APPLICANT: Hebebell, Peter

TITLE OF INVENTION: Short Interfering Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (HMBDD-198-A)

CURRENT FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US/10/659,311

PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US/0503/05028

PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/386,782

PRIOR FILING DATE: 2002-07-06  
 PRIOR APPLICATION NUMBER: US 60/393,796

PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348

PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/409,293

PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129

NUMBER OF SEQ IDS: 115  
 SOFTWARE: PatentIn version 3.2

SEQ ID NO 116  
 LENGTH: 19  
 ORGANISM: Homo sapiens  
 ORIGIN: RNA  
 FEATURE: Artificial Sequence

US-10-698-311-116  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity: 100.0%; Pval: No.2e+02;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

507 CAGATGTCATTCCTGCAAT 525  
 DB 19 CAGATGTCATTCCTGCAAT 1

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/ PRIOR FILING DATE: 2002-02-20
/ TYPE: RNA Artificial Sequence
/ OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
/ PRIOR APPLICATION NUMBER: US 60/353,124
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/406,784
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ NUMBER OF SEQ ID NOS: 13
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 16
/ TYPE: RNA
/ APPLICATION: Strata Therapeutics, Inc.
/ APPLICANT: Strata Therapeutics, Inc.
/ INVENTOR: Hoshell, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (MEMO-198-A)
/ CURRENT FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: PCT/US03/05028
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR APPLICATION NUMBER: US 60/363,124
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/406,784
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 117

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/ LENGTH: 19
/ TYPE: RNA Artificial Sequence
/ OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
/ PRIOR APPLICATION NUMBER: US 60/353,124
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/406,784
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 118
/ TYPE: RNA
/ APPLICATION: Strata Therapeutics, Inc.
/ APPLICANT: Strata Therapeutics, Inc.
/ INVENTOR: Hoshell, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (MEMO-198-A)
/ CURRENT FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: US/10-698,311
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR APPLICATION NUMBER: US 60/363,124
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/406,784
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 119
/ TYPE: RNA
/ APPLICATION: Strata Therapeutics, Inc.
/ APPLICANT: Strata Therapeutics, Inc.
/ INVENTOR: Hoshell, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (MEMO-198-A)
/ CURRENT FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: US/10-698,311
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR APPLICATION NUMBER: US 60/363,124
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/406,784
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 120
/ TYPE: RNA Artificial Sequence
/ OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
/ PRIOR APPLICATION NUMBER: US 60/353,124
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/406,784
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 121

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GENERAL INFORMATION:
APPLICANT: Sina Therapeutics, Inc.
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
APPLICANT: Hoechst, Peter
FILE REFERENCE: 400/137 (06H03-198-A)
CURRENT FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-02-20 (0603/05058)
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2003-02-20 (06/363,124)
PRIOR FILING DATE: 2003-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2003-07-03
PRIOR FILING DATE: 2003-06-06 (06/393,796)
PRIOR FILING DATE: 2003-07-03
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILING DATE: 2003-07-28 (06/406,784)
PRIOR FILING DATE: 2003-08-28 (06/409,293)
PRIOR FILING DATE: 2003-09-05 (06/409,293)
PRIOR FILING DATE: 2003-09-09 (06/440,129)
PRIOR FILING DATE: 2003-01-15
SOFTWARE: Patent version 3.2
SEQ ID NO 119
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
US-10-698-311-120
Description of Artificial Sequence: siNA antisense region
Query Match 1.2% Score 19; Da 1; Length 19;
Best Local Similarity 100.0% Pctd No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 579 TCGACGATGAGCTTCGACAT 597
19 TCGACGATGAGCTTCGACAT 1
DB 19 TCGACGATGAGCTTCGACAT 1

RESULT 148
US-10-698-311-120/C
Sequence 120 Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Sina Therapeutics, Inc.
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
APPLICANT: Hoechst, Peter
FILE REFERENCE: 400/137 (06H03-198-A)
CURRENT FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-02-20 (0603/05028)
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2003-03-11
PRIOR APPLICATION NUMBER: US 60/393,124
PRIOR FILING DATE: 2003-07-03
PRIOR APPLICATION NUMBER: US 60/399,796
PRIOR FILING DATE: 2003-07-03
SOFTWARE: Patent version 3.2
SEQ ID NO 121
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
US-10-698-311-121
Description of Artificial Sequence: siNA antisense region
Query Match 1.2% Score 19; Da 1; Length 19;
Best Local Similarity 100.0% Pctd No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 597 TCGACGATGAGCTTCGACAT 615
19 TCGACGATGAGCTTCGACAT 1
DB 19 TCGACGATGAGCTTCGACAT 1

RESULT 150
US-10-698-311-121/C
Sequence 121 Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Sina Therapeutics, Inc.
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
APPLICANT: Hoechst, Peter
FILE REFERENCE: 400/137 (06H03-198-A)
CURRENT FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-02-20 (0603/05028)
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2003-03-11
PRIOR APPLICATION NUMBER: US 60/393,124
PRIOR FILING DATE: 2003-07-03
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILING DATE: 2003-07-28 (06/406,784)
PRIOR FILING DATE: 2003-08-28 (06/409,293)
PRIOR FILING DATE: 2003-09-05 (06/409,293)
PRIOR FILING DATE: 2003-09-09 (06/440,129)
PRIOR FILING DATE: 2003-01-15
SOFTWARE: Patent version 3.2
SEQ ID NO 121
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
US-10-698-311-121
Description of Artificial Sequence: siNA antisense region

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PRIOR FILING DATE: 2002-09-09  
PRIOR APPLICATION NUMBER: US 60/440,129  
PRIOR FILING DATE: 2003-01-15  
NUMBER OF SEQ ID NOS: 310  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 124

TYPE: RNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description: siNA antisense region  
S-10-698-311-124

```

Query Match Significance 1.08; Score 13; Db 1; Length 13;
Match 99; ConservedAttn 0; Mutations 0; Indels 0; Gaps 0;
656 CAGTACACAGGTTTGG 687
19 CAGTACACAGGTTTGG 1

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OTHER INFORMATION: Description of Artificial Sequence: mRNA antisense region
-10-698-611-135
Clay March      1 2; Score 18, DP 1; Length 19,
Best Local Similarity 100.0%; Seed No. 28+02;
Matches 19, Conservative 0; Mismatches 0; Indels 0; Gaps 0;
687 GTTGTGCTGGATTTTGG 705
|||||
19 GTTGCTCGATTGTTG 1

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RESULT 155  
US-10-698-311-126/c  
; Sequence 126, Application US/10698311  
; Publication No. US20040219671A1

US-10-698-311-126  
US-10-698-311-127  
US-10-698-311-127/c  
Sequence 127, Application US/10698311  
Publication No. US2004021857A1  
APPLICANT: Astra Therapeutics, Inc.  
APPLICANT: Heesell, Peter  
APPLICANT: WagaTherapeutics, Inc.  
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
FILE REFERENCE: 400/317 (NM803-198 A1)  
CURRENT FILING DATE: 2003-10-31  
PRIOR APPLICATION NUMBER: PCT/US03/05028  
PRIOR FILING DATE: 2003-02-20  
PRIOR FILING DATE: 2002-02-05  
64/356,580  
US-10-698-311-128  
US-10-698-311-129  
US-10-698-311-130  
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US-10-698-311-132  
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US-10-698-311-222  
US-10-698-311-223  
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US-10-698-311-225  
US-10-698-311-226  
US-10-698-311-227  
US-10-698-311-228  
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US-10-698-311-336  
US-10-698-311-337  
US-10-698-311-338  
US-10-698-311-339  
US-10-698-311-340



APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Chovvira, Bharat  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (06803-198-4)  
 CURRENT APPLICATION NUMBER: US/06/698,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR FILING DATE: 2003-02-20 / US/03/050628  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20 / 60/363,124  
 PRIOR FILING DATE: 2002-03-18 / 60/363,124  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2003-06-06 / 60/393,796  
 PRIOR FILING DATE: 2003-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2003-07-29 / 60/406,784  
 PRIOR FILING DATE: 2003-08-29 / 60/408,378  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05 / 60/409,293  
 PRIOR FILING DATE: 2002-09-09 / 60/409,293  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: Patientin version 3.2  
 SEQ ID NO 130  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-698-311-132  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pval No. 2e+02; 0; Gaps 0;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Caps 0;  
 Oy 777 TTTTGTGTTGTTGTTGTT 795  
 19 TTTTGTGTTGTTGTTGTT 1

RESULT 161  
 US-10-698-311-131/C  
 Sequence 131: Application US/10698311  
 Publication No. US20040218761A1  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Chovvira, Bharat  
 APPLICANT: Hebeville, Peter  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siRNA)  
 FILE REFERENCE: 400/137 (06803-198-4)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20 / 60/363,124  
 PRIOR FILING DATE: 2002-03-11 / 60/366,782  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348

PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-08-29 / 60/408,378  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05 / 60/409,293  
 PRIOR FILING DATE: 2002-09-09 / 60/409,293  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: Patientin version 3.2  
 SEQ ID NO 130  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-698-311-131  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pval No. 2e+02; 0; Gaps 0;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Caps 0;  
 Oy 795 TTTGAGTTGTTGTTGTT 813  
 19 TTTGAGTTGTTGTTGTT 1

RESULT 161  
 US-10-698-311-132/C  
 Sequence 132: Application US/10698311  
 Publication No. US20040218761A1  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Chovvira, Bharat  
 APPLICANT: Hebeville, Peter  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (06803-198-4)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR FILING DATE: 2003-02-20 / 60/358,580  
 PRIOR FILING DATE: 2002-02-20 / 60/363,124  
 PRIOR FILING DATE: 2002-03-11 / 60/366,782  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2003-06-06 / 60/393,796  
 PRIOR FILING DATE: 2003-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-07-29 / 60/406,784  
 PRIOR FILING DATE: 2002-08-29 / 60/408,378  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05 / 60/409,293  
 PRIOR FILING DATE: 2002-09-09 / 60/409,293  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: Patientin version 3.2  
 SEQ ID NO 132  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-698-311-132  
 Query Match 1.2% Score 19; DB 1; Length 19;



/ PRIOR APPLICATION NUMBER: US 60/440,129  
 / PRIOR FILING DATE: 2003-01-15  
 / NUMBER OF SEQ ID NOS: 310  
 / SOFTWARE: PatentIn version 3.2  
 / SEQ ID NO 135  
 / LENGTH: 19  
 / TYPE: RNA  
 / ORGANISM: Homo sapiens  
 / FEATURE: Artificial Sequence

/ OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region

US-10-698-311-135

Query Match 1,24; Score 19; DB 1; Length 19;

Best Local Similarity 100.0%; Pct. No. 2e+02; Mismatches 0; Gaps 0;

Matches 19; Conservative 0; Indels 0;

DB 19

667 ATATGACGATTTTGTGAAA 685

19 ATATGACGATTTTGTGAAA 1

RESULT 165

US-10-698-311-136/c

/ Publication No. US2004021671A1

/ Application No. US2004021671A1

/ GENERAL INFORMATION: NCS-4989, Inc.

/ APPLICANT: NCS-4989, Inc.

/ APPLICANT: Heesheil, Peter

/ TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using

/ FILE REFERENCE: 400/1137 (EMBOJ3-198-A)

/ CURRENT APPLICATION NUMBER: US/10/698,311

/ PRIOR APPLICATION NUMBER: US/02-08-29/05028

/ PRIOR FILING DATE: 2003-02-20

/ PRIOR APPLICATION NUMBER: US 60/358,580

/ PRIOR FILING DATE: 2002-03-11

/ PRIOR APPLICATION NUMBER: US 60/366,782

/ PRIOR FILING DATE: 2002-04-06

/ PRIOR APPLICATION NUMBER: 60/393,348

/ PRIOR FILING DATE: 2002-07-03

/ PRIOR APPLICATION NUMBER: 60/359,348

/ PRIOR FILING DATE: 2002-08-29

/ PRIOR APPLICATION NUMBER: US 60/409,378

/ PRIOR FILING DATE: 2002-09-09

/ PRIOR APPLICATION NUMBER: US 60/409,293

/ PRIOR FILING DATE: 2002-09-09

/ NUMBER OF SEQ ID NOS: 310-15

/ SOFTWARE: PatentIn version 3.2

/ SEQ ID NO 136

/ TYPE: RNA

/ ORGANISM: Artificial Sequence

/ FEATURE: Description of Artificial Sequence: siRNA antisense region

US-10-698-311-136

Query Match 1,24; Score 19; DB 1; Length 19;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 885 ATATGACGATTTTGTGAAA 903

19 ATATGACGATTTTGTGAAA 1

/ PRIOR APPLICATION NUMBER: US 60/440,129  
 / PRIOR FILING DATE: 2003-01-15  
 / NUMBER OF SEQ ID NOS: 310  
 / SOFTWARE: PatentIn version 3.2  
 / SEQ ID NO 135  
 / LENGTH: 19  
 / TYPE: RNA  
 / ORGANISM: Homo sapiens  
 / FEATURE: Artificial Sequence

/ OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region

US-10-698-311-137/c

/ Publication No. US2004021671A1

/ Application No. US2004021671A1

/ GENERAL INFORMATION: NCS-4989, Inc.

/ APPLICANT: NCS-4989, Inc.

/ APPLICANT: Heesheil, Peter

/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

/ FILE REFERENCE: 400/1137 (EMBOJ3-198-A)

/ CURRENT APPLICATION NUMBER: US/10/698,311

/ PRIOR APPLICATION NUMBER: US/02-08-29/05028

/ PRIOR FILING DATE: 2003-02-20

/ PRIOR APPLICATION NUMBER: US 60/358,580

/ PRIOR FILING DATE: 2002-03-11

/ PRIOR APPLICATION NUMBER: US 60/366,782

/ PRIOR FILING DATE: 2002-04-06

/ PRIOR APPLICATION NUMBER: 60/393,348

/ PRIOR FILING DATE: 2002-07-03

/ PRIOR APPLICATION NUMBER: US 60/409,378

/ PRIOR FILING DATE: 2002-08-29

/ PRIOR APPLICATION NUMBER: US 60/409,293

/ PRIOR FILING DATE: 2002-09-09

/ NUMBER OF SEQ ID NOS: 310-15

/ SOFTWARE: PatentIn version 3.2

/ SEQ ID NO 137

/ TYPE: RNA

/ ORGANISM: Artificial Sequence

/ FEATURE: Description of Artificial Sequence: siRNA antisense region

US-10-698-311-137

Query Match 1,24; Score 19; DB 1; Length 19;

Best Local Similarity 100.0%; Pct. No. 2e+02; Mismatches 0; Gaps 0;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 903 ATATGACGATTTTGTGAAA 921

19 ATATGACGATTTTGTGAAA 1

RESULT 167

US-10-698-311-138/c

/ Publication No. US2004021671A1

/ Application No. US2004021671A1

/ GENERAL INFORMATION: NCS-4989, Inc.

/ APPLICANT: NCS-4989, Inc.

/ APPLICANT: Heesheil, Peter

/ TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using

/ FILE REFERENCE: 400/1137 (EMBOJ3-198-A)

/ CURRENT APPLICATION NUMBER: US/10/698,311

/ PRIOR APPLICATION NUMBER: US/02-08-29/05028

/ PRIOR FILING DATE: 2003-02-20

/ PRIOR APPLICATION NUMBER: US 60/358,580

/ PRIOR FILING DATE: 2002-03-11

/ PRIOR APPLICATION NUMBER: US 60/366,782

/ PRIOR FILING DATE: 2002-04-06

/ PRIOR APPLICATION NUMBER: 60/393,348

/ PRIOR FILING DATE: 2002-07-03

/ PRIOR APPLICATION NUMBER: US 60/409,378

/ PRIOR FILING DATE: 2002-08-29

/ PRIOR APPLICATION NUMBER: US 60/409,293

/ PRIOR FILING DATE: 2002-09-09

/ NUMBER OF SEQ ID NOS: 310-15

/ SOFTWARE: PatentIn version 3.2

/ SEQ ID NO 137

/ TYPE: RNA

/ ORGANISM: Artificial Sequence

/ FEATURE: Description of Artificial Sequence: siRNA antisense region

US-10-698-311-137

Query Match 1,24; Score 19; DB 1; Length 19;

Best Local Similarity 100.0%; Pct. No. 2e+02; Mismatches 0; Gaps 0;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 903 ATATGACGATTTTGTGAAA 921

19 ATATGACGATTTTGTGAAA 1

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PROR FILING DATE: 2002-03-31
PROR APPLICATION NUMBER: US 60/366,782
PROR FILING DATE: 2002-06-06
PROR APPLICATION NUMBER: US 60/393,796
PROR FILING DATE: 2002-07-29
PROR APPLICATION NUMBER: 60/399,448
PROR FILING DATE: 2002-07-29
PROR APPLICATION NUMBER: US 60/406,784
PROR FILING DATE: 2002-09-05
PROR APPLICATION NUMBER: US 60/408,378
PROR FILING DATE: 2002-09-05
PROR APPLICATION NUMBER: US 60/409,293
PROR FILING DATE: 2003-01-15
PROR APPLICATION NUMBER: US 60/440,129
NUMBER OF SEQ ID NOS: 310
SEQUENCE ID NO: 138
LENGTH: 19
SEQUENCE ID NO: 138
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-138
Query Match
Beat Local Similarity 100.0%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 921 CATTAACTTTCAGCTT 929
DB 13 CATTAACTTTCAGCTT 1
RESULT 169
US-10-698-311-139/C
Sequence 140, Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Sinna Therapeutics, Inc.
APPLICANT: Heidegger, Peter
APPLICANT: Chowitt, Sharet
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (MEM03/185-8)
CURRENT FILING DATE: 2003-10-31
CURRENT FILING DATE: 2003-10-31
PROR FILING DATE: 2003-02-20
PROR APPLICATION NUMBER: US 60/358,980
PROR FILING DATE: 2003-02-20
PROR APPLICATION NUMBER: US 60/359,980
PROR FILING DATE: 2002-02-20
PROR APPLICATION NUMBER: US 60/363,124
PROR FILING DATE: 2002-02-20
PROR APPLICATION NUMBER: US 60/363,782
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: 60/393,796
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/393,796
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: 60/399,448
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/406,784
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/408,378
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/409,293
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/440,129
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 139
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-140
Query Match
Beat Local Similarity 100.0%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 957 TTTTCCTTTCAGCTT 975
DB 19 TTTTCCTTTCAGCTT 1
RESULT 170
US-10-698-311-141/C
Sequence 141, Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Sinna Therapeutics, Inc.
APPLICANT: Heidegger, Peter
APPLICANT: Chowitt, Sharet
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/137 (MEM03/185-8)
CURRENT FILING DATE: 2003-10-31
CURRENT FILING DATE: 2003-10-31
PROR FILING DATE: 2003-02-20
PROR APPLICATION NUMBER: PCT/US03/05028
PROR FILING DATE: 2003-02-20
PROR APPLICATION NUMBER: US 60/358,980
PROR FILING DATE: 2002-02-20
PROR APPLICATION NUMBER: US 60/363,124
PROR FILING DATE: 2002-02-20
PROR APPLICATION NUMBER: US 60/363,782
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: 60/393,796
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/399,448
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/406,784
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/408,378
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/409,293
PROR FILING DATE: 2002-02-29
PROR APPLICATION NUMBER: US 60/440,129
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 140
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-140
Query Match
Beat Local Similarity 100.0%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 957 TTTTCCTTTCAGCTT 975
DB 19 TTTTCCTTTCAGCTT 1
RESULT 170
US-10-698-311-141/C
Sequence 141, Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Sinna Therapeutics, Inc.

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APPLICANT: McNeilgenn, James  
 APPLICANT: Chovvira, Bharat  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MBH03-198-A) Short Interfering Nucleic Acid (siNA)  
 CURRENT APPLICATION NUMBER: US/60/698,393  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/406,184  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 141  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE: OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-141  
 Query Match 1.24; Score 19; DB 1; Length 19;  
 Beat Local Similarity 100.04; Pred.No. 2a+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Db 19 TGTGTAATAGCTGGCA 1

RESULT 171  
 US-10-698-311-142/c  
 Sequence 142, Application US/60698311  
 Publication No. US2004021967A1  
 APPLICANT: McNeilgenn, James  
 APPLICANT: Chovvira, Bharat  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MBH03-198-A) Short Interfering Nucleic Acid (siNA)  
 CURRENT APPLICATION NUMBER: US/60/698,393  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/406,184  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 143  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE: OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-143  
 Query Match 1.24; Score 19; DB 1; Length 19;  
 Beat Local Similarity 100.04; Pred.No. 2a+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Db 19 TGTGTAATAGCTGGCA 1

PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/409,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,393  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 144  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE: OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-142  
 Query Match 1.24; Score 19; DB 1; Length 19;  
 Beat Local Similarity 100.04; Pred.No. 2a+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Db 19 TGTGTAATAGCTGGCA 1011

RESULT 172  
 US-10-698-311-143/c  
 Sequence 143, Application US/60698311  
 Publication No. US2004021967A1  
 APPLICANT: McNeilgenn, James  
 APPLICANT: Chovvira, Bharat  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MBH03-198-A) Short Interfering Nucleic Acid (siNA)  
 CURRENT APPLICATION NUMBER: US/60/698,393  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 145  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE: OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-143  
 Query Match 1.24; Score 19; DB 1; Length 19;  
 Beat Local Similarity 100.04; Pred.No. 2a+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Db 19 TGTGTAATAGCTGGCA 1



Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0

Qy	1011	AATTAAAAATAAACGTTAT	1029
Db	19	AATTAAAAATAAACGTTAT	1

RESULT 173

US-10-698-311-144/c  
Sequence 144. Application US/10698311

Sequence 144, Application US/1069831A  
Publication No. US20040219671A1

1 PUBLICATION NO. 03200706450/2002  
1 GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.  
ADDRESSEE: McSwiggan, James

APPLICANT: McSwiggen, James  
APPLICANT: Haebertl, Peter

APPLICANT: HARBELL, PETER  
APPLICANT: Chowhira, Bharat

TITLE OF INVENTION: RNA Interference

TITLE OF INVENTION: Short Interferer  
PILR REFERENCE: 400/137 (MHRB03-198-

PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SEQUENCE OF SEQ ID NO 146: 10698311-311.mol.mpb  
 SEQ ID NO 146  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: sRNA  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-698-311-146

Query Match 1,2#: Score 19; DB 1; Length 19;  
 Best Local Similarity: 100.0%; Pctd. No. 26+02;

Matched 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1065 ACTTATTAAGACACACCA 1103  
 DB 19 ACTTATTAAGACACCA 1

RESULT 176

US-10-698-311-146/c

Publication No. US2004021671A1

GENERAL INFORMATION: US/10698311

APPLICANT: Strim Therapeutics, Inc.

APPLICANT: Hebebell, Peter

APPLICANT: Chovvita, Bharat

TITLE OF INVENTION: Short Interfering Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 400/137 (IMB03-198-A)

CURRENT APPLICATION NUMBER: US/10/698,311

PRIOR FILING DATE: 2003-01-15

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: US/60/363,124

PRIOR FILING DATE: 2003-03-11

PRIOR APPLICATION NUMBER: US/60/386,782

PRIOR FILING DATE: 2003-07-03

PRIOR APPLICATION NUMBER: 60/393,348

PRIOR FILING DATE: 2003-07-29

PRIOR APPLICATION NUMBER: US/60/406,784

PRIOR FILING DATE: 2003-08-29

PRIOR APPLICATION NUMBER: US/60/409,393

PRIOR FILING DATE: 2003-09-09

PRIOR APPLICATION NUMBER: US/60/440,129

NUMBER OF SEQ ID NOS: 310

SEQ ID NO 147

SOFTWARE: Patent version 3.2

SEQ ID NO 147

TYPE: RNA

ORGANISM: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-698-311-147

Query Match 1,2#: Score 19; DB 1; Length 19;  
 Best Local Similarity: 100.0%; Pctd. No. 26+02;

Matched 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1083 ATCTTAAAGACACCA 1101  
 DB 19 ATCTTAAAGACACCA 1

RESULT 177

US-10-698-311-146/c

Sequence 146: Application US/10698311

Publication No. US2004021671A1

GENERAL INFORMATION: US/10698311

APPLICANT: Strim Therapeutics, Inc.

APPLICANT: Hebebell, Peter

APPLICANT: Chovvita, Bharat

TITLE OF INVENTION: Short Interfering Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 400/137 (IMB03-198-A)

CURRENT APPLICATION NUMBER: US/10/698,311

PRIOR FILING DATE: 2003-01-15

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: US/60/363,124

PRIOR FILING DATE: 2003-03-11

PRIOR APPLICATION NUMBER: US/60/386,782

PRIOR FILING DATE: 2003-07-03

PRIOR APPLICATION NUMBER: 60/393,348

PRIOR FILING DATE: 2003-07-29

PRIOR APPLICATION NUMBER: US/60/406,784

PRIOR FILING DATE: 2003-08-29

PRIOR APPLICATION NUMBER: US/60/409,393

PRIOR FILING DATE: 2003-09-09

PRIOR APPLICATION NUMBER: US/60/440,129

PRIOR FILING DATE: 2003-01-15

NUMBER OF SEQ ID NOS: 310

SOFTWARE: Patent version 3.2

SEQ ID NO 148

LENGTH: 19

TYPE: RNA

ORGANISM: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-698-311-148

Query Match 1,2#: Score 19; DB 1; Length 19;  
 Best Local Similarity: 100.0%; Pctd. No. 26+02;

Matched 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1101 ATTTAAAGACACCA 1119  
 DB 19 ATTTAAAGACACCA 1

RESULT 178

US-10-698-311-146/c

Sequence 149: Application US/10698311

Publication No. US2004021671A1

GENERAL INFORMATION: US/10698311

APPLICANT: Strim Therapeutics, Inc.

APPLICANT: Hebebell, Peter

APPLICANT: Chovvita, Bharat

TITLE OF INVENTION: Short Interfering Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 400/137 (IMB03-198-A)

CURRENT APPLICATION NUMBER: US/10/698,311

PRIOR FILING DATE: 2003-01-15

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: US/60/363,124

PRIOR FILING DATE: 2003-03-11



APPLICANT: Hebedell, Peter  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
 TITLE REFERENCE: 400/137 (WMB03-198-A)  
 CURRENT FILING DATE: 2003-09-09/60/440,129  
 PRIOR FILING DATE: 2003-02-20/60/358,580  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20/60/358,580  
 PRIOR APPLICATION NUMBER: US 60/353,124  
 PRIOR FILING DATE: 2002-03-11/60/386,782  
 PRIOR FILING DATE: 2002-06-06/60/393,796  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03/99,348  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-09-09/60/440,129  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 132  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-152  
 Query Match 1 24 Score 19 DB 1 Length 19  
 Best local similarity 100.0% Seed 16, 20/32  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0  
 Oy 1173 GAGTGGAGGAGGAGGAGG 1191  
 Db 19 GAGTGGAGGAGGAGGAGG 1  
 RESULT 182  
 US-10-698-311-153/c  
 Sequence 153, Application US/10698311  
 Publiication No. US2004021967A1  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesagen, James  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 CURRENT FILING DATE: 2003-10-31/60/699,311  
 PRIOR FILING DATE: 2003-10-31/60/699,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-10-31/60/699,311  
 PRIOR APPLICATION NUMBER: US 60/353,580  
 PRIOR FILING DATE: 2002-02-20/60/353,124  
 PRIOR APPLICATION NUMBER: US 60/353,124  
 PRIOR FILING DATE: 2002-06-06/60/386,782  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03/99,348  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-09-09/60/440,129  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 134  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-154

PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-09/60/440,129  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2002-09-09/60/440,129  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 153  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-153  
 Query Match 1 24 Score 19 DB 1 Length 19  
 Best local similarity 100.0% Seed 16, 20/32  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0  
 Oy 1191 GATTACCTGAGGAGGAGG 1209  
 Db 19 GATTACCTGAGGAGGAGG 1  
 RESULT 183  
 US-10-698-311-154/c  
 Sequence 154, Application US/10698311  
 Publiication No. US2004021967A1  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesagen, James  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 CURRENT FILING DATE: 2003-10-31/60/699,311  
 PRIOR FILING DATE: 2003-10-31/60/699,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-10-31/60/699,311  
 PRIOR APPLICATION NUMBER: US 60/353,580  
 PRIOR FILING DATE: 2002-02-20/60/353,124  
 PRIOR APPLICATION NUMBER: US 60/353,124  
 PRIOR FILING DATE: 2002-06-06/60/386,782  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03/99,348  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-09-09/60/440,129  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 154  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-154  
 Query Match 1 24 Score 19 DB 1 Length 19  
 Best local similarity 100.0% Seed 16, 20/32  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0



NUMBER OF SEQ TO NOS: 310  
 SEQ ID NO 157  
 LENGTH: 19  
 TYPE: RNA  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-157

Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pred. No. 2e+02;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1263 AGGCGGCGATGATTTG 1261

DB 19 AGGCGGCGATGATTTAT 1

RESULT 187

US-10-698-311-158/c

Publication No. US20040219671A1

GENERAL INFORMATION:

APPLICANT: Stima Therapeutic, Inc.

APPLICANT: Chovvita, Bharat

APPLICANT: Hebbelshi, Peter

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 460/137 (HMB03-198-2)

CURRENT FILING DATE: 2002-07-29

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20

PRIOR APPLICATION NUMBER: US/60/359,580

PRIOR FILING DATE: 2002-02-20







OY 1407 TTTTCTTTTATGATG 1435  
 DB 19 TTTTCTTTTATGATG 1  
 RESULT 195  
 US-10-698-311-166/c  
 Sequence 166, Application US/10698311  
 PUBLICATION NO. US20040219671A1  
 GENERAL INFORMATION:  
 APPLICANT: Sinna Therapeutics, Inc.  
 APPLICANT: McGraw-Hill, James  
 APPLICANT: Hoechst, Bharat  
 APPLICANT: Chovetis, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 Short Interfering Nucleic Acid (siRNA)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US/10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/398,792  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SEQ ID NO 166  
 SOFTWARE: Patenlin version 3.2  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence: siRNA antisense region  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-698-311-166  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0% Seed No. 28+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 OY 1425 GCGTTTATATCAACAT 1443  
 DB 19 GCGTTTATATCAACAT 1  
 RESULT 196  
 US-10-698-311-167/c  
 Publication No. US20040219671A1  
 GENERAL INFORMATION:  
 APPLICANT: Sinna Therapeutics, Inc.  
 APPLICANT: McGraw-Hill, James  
 APPLICANT: Hoechst, Bharat  
 APPLICANT: Chovetis, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 Short Interfering Nucleic Acid (siRNA)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US/10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US03/05028

PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/359,580  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SEQ ID NO 167  
 SOFTWARE: Patenlin version 3.2  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence: siRNA antisense region  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-698-311-167  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0% Seed No. 28+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 OY 1443 TTTTCTTTTATGATG 1461  
 DB 19 TTTTCTTTTATGATG 1  
 RESULT 197  
 US-10-698-311-168/c  
 Sequence 168, Application US/10698311  
 PUBLICATION NO. US20040219671A1  
 GENERAL INFORMATION:  
 APPLICANT: Sinna Therapeutics, Inc.  
 APPLICANT: McGraw-Hill, James  
 APPLICANT: Hoechst, Bharat  
 APPLICANT: Chovetis, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 Short Interfering Nucleic Acid (siRNA)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/359,580  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310

SCFNAME: Patientin version 3.2  
 SEQ ID NO: 169  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-698-311-168  
 Query Match 1 3% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Prod. No. 2e+02  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 1461 AAAAAAAAAAAAAAAAAA 1479  
 19 AAAAAAAAAAAAAAAAAA 1  
 RESULT 198  
 US-10-698-311-169/c  
 Sequence 169, Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mes-Adigen, Jame  
 APPLICANT: Mes-Adigen, Jame  
 APPLICANT: Chovvita, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (RMR03-198-A)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR FILING DATE: 2003-07-03  
 PRIOR APPLICATION NUMBER: US/60/393,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US/10/698,311  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR FILING DATE: 2003-07-03  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: 60/393,124  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/409,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,796  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SEQ ID NO: 169  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-698-311-169  
 Query Match 1 2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Prod. No. 2e+02  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 1479 AAAAAAAAAAAAAAAAAA 1497  
 19 AAAAAAAAAAAAAAAAAA 1  
 RESULT 199  
 US-10-698-311-170/c

; Sequence 170, Application US/10698311  
 ; Publication No. US2004021967A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Astra Therapeutics, Inc.  
 ; APPLICANT: Mes-Adigen, Jame  
 ; APPLICANT: Mes-Adigen, Jame  
 ; APPLICANT: Chovvita, Bharat  
 ; TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 ; FILE REFERENCE: 400/137 (RMR03-198-A)  
 ; CURRENT FILING DATE: 2003-10-31  
 ; PRIOR FILING DATE: 2003-07-03  
 ; PRIOR APPLICATION NUMBER: PCT/US03/05028  
 ; PRIOR FILING DATE: 2003-02-20  
 ; PRIOR APPLICATION NUMBER: US 60/358,580  
 ; PRIOR FILING DATE: 2002-02-20  
 ; PRIOR APPLICATION NUMBER: US 60/363,124  
 ; PRIOR FILING DATE: 2002-03-11  
 ; PRIOR APPLICATION NUMBER: US 60/363,124  
 ; PRIOR FILING DATE: 2002-06-06  
 ; PRIOR APPLICATION NUMBER: US 60/386,782  
 ; PRIOR FILING DATE: 2002-09-09  
 ; PRIOR APPLICATION NUMBER: US 60/393,124  
 ; PRIOR FILING DATE: 2002-07-03  
 ; PRIOR APPLICATION NUMBER: US 60/393,124  
 ; PRIOR FILING DATE: 2002-07-29  
 ; PRIOR APPLICATION NUMBER: US 60/409,784  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: US 60/409,784  
 ; PRIOR FILING DATE: 2002-09-05  
 ; PRIOR APPLICATION NUMBER: US 60/409,293  
 ; PRIOR FILING DATE: 2002-09-09  
 ; PRIOR APPLICATION NUMBER: US 60/440,129  
 ; PRIOR FILING DATE: 2003-01-15  
 ; PRIOR APPLICATION NUMBER: US 60/440,129  
 ; NUMBER OF SEQ ID NOS: 310  
 ; SCFNAME: Patientin version 3.2  
 ; SEQ ID NO: 170  
 ; LENGTH: 19  
 ; TYPE: RNA  
 ; ORGANISM: Artificial Sequence  
 ; OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-698-311-170  
 Query Match 1 3% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Prod. No. 2e+02  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 1497 AAAAAAAAAAAAAAAAAA 1515  
 19 AAAAAAAAAAAAAAAAAA 1  
 RESULT 200  
 US-10-698-311-171/c  
 Sequence 171, Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mes-Adigen, Jame  
 APPLICANT: Mes-Adigen, Jame  
 APPLICANT: Chovvita, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (RMR03-198-A)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR FILING DATE: 2003-07-03  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US 60/440,129

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PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/393,348
PRIOR FILING DATE: 2002-06-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2002-10-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2
SEQ ID NO 171
TYPE: RNA
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: sRNA antisense region
US-10-658-311-171
Query Match
Query Match Similarity: 1.2% Score 19; DB 1; Length 19;
Base Local Similarity: 100.0%; Pct. No.2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19
1515 TTTTTCACATTAATATA 1533
TTTTCACATTAATATA 1
RESULT 201
US-10-658-311-172/c
Sequence 172, Application US/1069311
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McWiggen, James
APPLICANT: Habbett, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (080803-198 A)
CURRENT FILING DATE: 2003-10-11
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/355,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,132
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/366,784
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: Patent version 3.2
SEQ ID NO 172
TYPE: RNA
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: sRNA antisense region

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US-10-658-311-172
Query Match
Query Match Similarity: 1.2% Score 19; DB 1; Length 19;
Base Local Similarity: 100.0%; Pct. No.2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19
1522 TATATATTTTTCACCA 1541
TATATATTTTTCACCA 1
RESULT 202
US-10-661-060-1
Sequence 1, Application US/10661060
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McWiggen, James
APPLICANT: Habbett, Peter
TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (080803-198 A)
CURRENT FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: US 10/693,011
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/693,011
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13456
REMAINING Prior Application data removed - See File Wrapper or PAM.
SOFTWARE: Patent version 3.3
SEQ ID NO 1
LENGTH 19
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-661-060-1
Query Match
Query Match Similarity: 1.2% Score 19; DB 1; Length 19;
Base Local Similarity: 100.0%; Pct. No.2e+02;
Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
DB 1
3 ATTGCTTTTCACCA 21
ATTGCTTTTCACCA 19
RESULT 203
US-10-661-060-2
Sequence 2, Application US/10661060
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McWiggen, James
APPLICANT: Habbett, Peter
TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (080803-198 A)
CURRENT FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: US 10/693,011
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/693,011
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13456
REMAINING Prior Application data removed - See File Wrapper or PAM.
SOFTWARE: Patent version 3.3
SEQ ID NO 2
LENGTH 19
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-661-060-2
Query Match
Query Match Similarity: 1.2% Score 19; DB 1; Length 19;
Base Local Similarity: 100.0%; Pct. No.2e+02;
Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
DB 1
3 ATTGCTTTTCACCA 21
ATTGCTTTTCACCA 19
RESULT 203
US-10-661-060-2
Sequence 2, Application US/10661060
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McWiggen, James
APPLICANT: Habbett, Peter
TITLE OF INVENTION: Short Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (080803-198 A)
CURRENT FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: US 10/693,011
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/693,011
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13456
REMAINING Prior Application data removed - See File Wrapper or PAM.
SOFTWARE: Patent version 3.3
SEQ ID NO 2
LENGTH 19
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r

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Query Match      1 24 Score 19; DB 1; Length 19;
Similarity 73.74; Pred. No. 26+02;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

DB      1 UC003A03GCGCTTCGAA 75

RESULT 206
US-10-861-060-5
Publication No. US20050171551
PUBLICATION INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Mesagen, James
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/152 (US04/05346)
CURRENT FILING DATE: 2004-06-03
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/598,311
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/598,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/598,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US03/05028
Remaining Prior Application data removed - See File Wrapper or PAM.
Software: Patentin version 3.3
SEQ ID NO 5:
LENGTH: 19
TYPE: RNA
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense r
US-10-861-060-5
Query Match      1 24 Score 19; DB 1; Length 19;
Similarity 84.21; Pred. No. 26+02;
Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

DB      75 AGCCAGCAAGCGAGAGTTGT 93
1 AGCCAGCAAGCGAGAGTTGT 19

RESULT 207
US-10-861-060-6
Publication No. US20050171551
PUBLICATION INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Mesagen, James
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/152 (US04/05346)
CURRENT FILING DATE: 2004-06-03
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/598,311
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/598,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US03/05028
Remaining Prior Application data removed - See File Wrapper or PAM.
Software: Patentin version 3.3
SEQ ID NO 5:
LENGTH: 19
TYPE: RNA
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense r

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TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/152 (US04/05346)
CURRENT FILING DATE: 2004-06-03
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/598,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: PCT/US03/05028
Remaining Prior Application data removed - See File Wrapper or PAM.
Software: Patentin version 3.3
SEQ ID NO 6:
LENGTH: 19
TYPE: RNA
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense r
US-10-861-060-6
Query Match      1 24 Score 19; DB 1; Length 19;
Similarity 78.94; Pred. No. 26+02;
Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

DB      93 TCGCTCTCTCGAGAAAC 111
1 TCGCTCTCTCGAGAAAC 19

RESULT 208
US-10-861-060-7
Publication No. US20050171551
PUBLICATION INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Mesagen, James
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/152 (US04/05346)
CURRENT FILING DATE: 2004-06-03
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/598,311
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/598,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US03/05028
Remaining Prior Application data removed - See File Wrapper or PAM.
Software: Patentin version 3.3
SEQ ID NO 7:
LENGTH: 19
TYPE: RNA
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense r

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      129 AACGCGGGGGGGGGGAAA 147
Db      1 AAGCGCGGGGGGGGGGAAA 19

RESULT 210
US-10-861-0650-9
Sequence 9: Application US/10061060
Publication No. US2005017155A1
GENERAL INFORMATION:
APPLICANT: Novartis Corporation, Inc.
INVENTOR: McGinigen, James
APPLICANT: Heebert, Peter
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/152 (MEMB04-372-A)
CURRENT APPLICATION NUMBER: US/10/061,060
PRIORITY DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/846,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/750,448
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-09-20
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 08/003/05028
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: 08/003/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Prior Applications date removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 9
LENGTH: 19
TYPE: RNA
PRIMER:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense r
US-10-861-0650-9
Query Match          1 2% Score 19; DB 1; Length 19;
Beat Local Similarity 63.2%; Hit Pred. No. 2e+02?
Matches 12; Consensitive 7; Mismatches 0; Gaps 0;
1447 AAGCGCGGGGGGGGGTTCGTTC 165
|||||:||||||:|||||:
Db      1 AAGCGCGGGGGGGGGGAAA 19

RESULT 211
US-10-861-0650-10
Application US/10061060
Publication No. US2005017155A1
GENERAL INFORMATION:
APPLICANT: Strata Therapeutics, Inc.
INVENTOR: Heng, Sheng-ping; Heng, Peter
APPLICANT: Heebert, Peter
TITLE OF INVENTION: siNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/152 (MEMB04-372-A)
CURRENT APPLICATION NUMBER: US/10/061,060
PRIORITY DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/846,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/750,448
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-09-20
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 08/003/05028
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: 08/003/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Prior Applications date removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 9
LENGTH: 19
TYPE: RNA
PRIMER:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense r
US-10-861-0650-9
Query Match          1 2% Score 19; DB 1; Length 19;
Beat Local Similarity 63.2%; Hit Pred. No. 2e+02?
Matches 12; Consensitive 7; Mismatches 0; Gaps 0;
1447 AAGCGCGGGGGGGGGTTCGTTC 165
|||||:||||||:|||||:
Db      1 AAGCGCGGGGGGGGGGAAA 19

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CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2003-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR APPLICATION NUMBER: PCT/US03/05046
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: Recchem version 3.3
SEQ ID NO: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense 3'
US-10-861-060-10
Query Match 1 23; Score 19; DB 1; Length 19;
Best Local Similarity 89.5%; Pct. No. 2e+02;
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 165 TGGCTCCCAACACACAGA 163
DB 1 UAGGCTCCCAACACACAGA 19
RESULT 212
US-10-861-060-11
Sequence 11, Application US/10861060
Publication No. US20050137155A1
GENSEQ INFORMATION:
APPLICANT: Alتما Therapeutics, Inc.
APPLICANT: Kesiqgen, James
APPLICANT: Chowitts, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US/10/699,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31

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PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: PCT/US03/05046
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: Recchem version 3.3
SEQ ID NO: 12
LENGTH: 13
TYPE: RNA
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense 3'
US-10-861-060-12
Query Match 1 24; Score 19; DB 1; Length 19;
Best Local Similarity 74.4%; Pct. No. 2e+02;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 169 AGGAGATGCTCAGTCTGCT 201
DB 1 AGGAGATGCTCAGTCTGCT 19
RESULT 213
US-10-861-060-12
Sequence 12, Application US/10861060
Publication No. US20050137155A1
GENSEQ INFORMATION:
APPLICANT: Alتما Therapeutics, Inc.
APPLICANT: Kesiqgen, James
APPLICANT: Chowitts, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/162 (M889)-172A.060
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: Recchem version 3.3
SEQ ID NO: 12
LENGTH: 13
TYPE: RNA
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense 3'
US-10-861-060-12
Query Match 1 24; Score 19; DB 1; Length 19;
Best Local Similarity 84.2%; Pct. No. 2e+02;
Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
QY 201 TGGCAAGTCCCAACACAGA 219

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PUBLICATION NO. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: MCSysgen, James  
 APPLICANT: Chowell, Blaise  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US10/651,060  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US 10/926,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See File Wrapper or PAM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patentin version 3.3  
 SEQ ID NO 21  
 LENGTH: 19  
 TYPE: RNA  
 ORIGIN: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense  
 US-10-861-060-21  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 94.7% Pred. No. 2e+02; 0; Indels 0; Gaps 0;  
 Matches 18; Conservative 1; Mismatches 0;  
 DB 1 GAGCCGCAAGAGAGGAGCAAT 381  
 361 GAGCCGCAAGAGAGGAGCAAT 19  
 RESULT 223  
 US-Sequence 22, Application US/10661060  
 PUBLICATION NO. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: MCSysgen, James  
 APPLICANT: Chowell, Blaise  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)  
 CURRENT APPLICATION NUMBER: US10/651,060  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/926,966  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24

PRIOR APPLICATION NUMBER: US 10/693, 059  
 PRIOR FILING DATE: 2003-10-22 10/444,853  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20 PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2003-10-31 PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See File Wrapper or PAM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patentin version 3.3  
 SEQ ID NO 22  
 LENGTH: 19  
 TYPE: RNA  
 ORIGIN: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense  
 US-10-861-060-22  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 63.2% Pred. No. 2e+02; 0; Indels 0; Gaps 0;  
 Matches 12; Conservative 0; Mismatches 0;  
 DB 1 TTTCCGAGAGAGAGGCTG 399  
 381 TTTCCGAGAGAGAGGCTG 399  
 RESULT 224  
 US-10-861-060-23  
 PUBLICATION NO. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: MCSysgen, James  
 APPLICANT: Chowell, Blaise  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US10/651,060  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/926,966  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20 PCT/US04/13456  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See File Wrapper or PAM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patentin version 3.3  
 SEQ ID NO 23  
 LENGTH: 19  
 TYPE: RNA  
 ORIGIN: Artificial Sequence



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PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2003-10-31/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQUENCE: Patent version 3.3
LENGTH: 19
TYPE: RNA
ORIGIN: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-661-060-26
Query Match
Beat Local Similarity 89.5%; Pred. No.2e+02;
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
453 ACGAACCTGACGACCTGAA 471
1 ACGAACCTGACGACCTGAA 19
Db

RESULT 228
US-10-661-060-27
Sequence 27, Application US/1061060
Publication No. US20050137155A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Heberill, Peter
APPLICANT: Chowitts, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE REFERENCE 400/162 (MBBD0-372-8) Nucleic Acid (sRNA)
CURRENT FILING DATE: 2004-06-03/US 10/661,060
PRIOR FILING DATE: 2003-10-31/US 10/698,311
PRIOR FILING DATE: 2003-10-31/US 10/626,966
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-04-16/US 10/757,803
PRIOR FILING DATE: 2004-01-14/US 10/720,448
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-11-24/US 10/693,059
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-09-23/US 10/444,853
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20/US 10/698,311
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20/US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQUENCE: Patent version 3.3
SEQ ID NO 27
TYPE: RNA
ORIGIN: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-661-060-27

```

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Query Match
Beat Local Similarity 63.2%; Pred. No.2e+02;
Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
471 AATATCTTCCTGCTGCTAT 469
1 AATATCTTCCTGCTGCTAT 19
Db

RESULT 229
US-10-661-060-28
Sequence 28, Application US/1061060
Publication No. US20050137155A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Heberill, Peter
APPLICANT: Chowitts, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE REFERENCE 400/162 (MBBD0-372-8) Nucleic Acid (sRNA)
CURRENT FILING DATE: 2004-06-03/US 10/661,060
PRIOR FILING DATE: 2003-10-31/US 10/698,311
PRIOR FILING DATE: 2003-10-31/US 10/626,966
PRIOR FILING DATE: 2004-04-16/US 10/757,803
PRIOR FILING DATE: 2004-01-14/US 10/720,448
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-11-24/US 10/693,059
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-09-23/US 10/444,853
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20/US 10/698,311
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20/US 10/698,311
PRIOR FILING DATE: 2003-10-31/US 10/626,966
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQUENCE: Patent version 3.3
SEQ ID NO 28
TYPE: RNA
ORIGIN: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-661-060-28
Query Match
Beat Local Similarity 57.9%; Pred. No.2e+02;
Matches 11; Conservative 8; Mismatches 0; Indels 0; Gaps 0;
469 TTCTTGACCTGCTGCTAT 507
1 TTCTTGACCTGCTGCTAT 19
Db

RESULT 230
US-10-661-060-29
Sequence 29, Application US/1061060
Publication No. US20050137155A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Heberill, Peter
APPLICANT: Chowitts, Bharat

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Matches 13: Conservative 6: Mismatches 0: Indels 0: Gaps 0:

Qy 543 GTCGCGATTCGATTCGATTC 561
|||||
Db 1 GTCGCGATTCGATTCGATTC 19

RESULT 233
US-10-861-060-32
/ Sequence 32, Application US/1061060
/ Publication No. US2005013155AL
/ ORGANISM: Homo sapiens
/ APPLICANT: Astra Therapeutics, Inc.
/ APPLICANT: Novartis, James
/ APPLICANT: Hoechst, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/162 (MMB04-172-A), 060
/ CURRENT FILING DATE: 2004-06-03
/ PRIOR FILING DATE: 2003-10-31/0/593,311
/ PRIOR APPLICATION NUMBER: US 10/698,311
/ PRIOR FILING DATE: 2003-10-31/0/526,966
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 10/757,803
/ PRIOR FILING DATE: 2004-01-14
/ PRIOR FILING DATE: 2003-11-24/0/720,448
/ PRIOR APPLICATION NUMBER: US 10/693,059
/ PRIOR FILING DATE: 2003-10-23
/ PRIOR FILING DATE: 2003-05-23
/ PRIOR APPLICATION NUMBER: PCT/US03/05346
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US 10/698,311
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR FILING DATE: 2004-04-10
/ REMAINING Prior Application data removed - See File Wrapper or PAM.
/ NUMBER OF SEQ ID NOS: 374
/ SOFTWARE: Patent version 3.3
/ SEQ ID NO: 1
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ APPLICANT: Astra Therapeutics, Inc.
/ APPLICANT: Novartis, James
/ APPLICANT: Hoechst, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/162 (MMB04-172-A), 060
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-861-060-32
Query Match 1.24; Score 19; DB 1; Length 19;
Best Local Similarity 57.9%; Pct. No. 2e+02;
Matches 11: Conservative 8: Mismatches 0: Indels 0: Gaps 0:

Qy 561 TCTCATATTCGATTCGATTC 579
|||||
Db 1 TCTCATATTCGATTCGATTC 19

RESULT 234
US-10-861-060-33
/ Sequence 33, Application US/1061060
/ Publication No. US2005013155AL
/ ORGANISM: Homo sapiens
/ APPLICANT: Astra Therapeutics, Inc.
/ APPLICANT: Novartis, James
/ APPLICANT: Hoechst, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/162 (MMB04-172-A), 060
/ CURRENT FILING DATE: 2004-06-03
/ PRIOR FILING DATE: 2003-10-31/0/593,311
/ PRIOR APPLICATION NUMBER: US 10/698,311
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 10/757,803
/ PRIOR FILING DATE: 2004-01-14
/ PRIOR FILING DATE: 2003-11-24/0/720,448
/ PRIOR APPLICATION NUMBER: US 10/693,059
/ PRIOR FILING DATE: 2003-10-23
/ PRIOR FILING DATE: 2003-05-23
/ PRIOR APPLICATION NUMBER: PCT/US03/05346
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US 10/698,311
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR FILING DATE: 2004-04-10
/ REMAINING Prior Application data removed - See File Wrapper or PAM.
/ NUMBER OF SEQ ID NOS: 374
/ SOFTWARE: Patent version 3.3
/ SEQ ID NO: 1
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ APPLICANT: Astra Therapeutics, Inc.
/ APPLICANT: Novartis, James
/ APPLICANT: Hoechst, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/162 (MMB04-172-A), 060
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-861-060-34
Query Match 1.24; Score 19; DB 1; Length 19;
Best Local Similarity 61.4%; Pct. No. 2e+02;
Matches 12: Conservative 7: Mismatches 0: Indels 0: Gaps 0:

Qy 579 GTCGCGATTCGATTCGATTC 557
|||||
Db 1 GTCGCGATTCGATTCGATTC 19

RESULT 235
US-10-861-060-34
/ Sequence 34, Application US/1061060
/ Publication No. US2005013155AL
/ ORGANISM: Homo sapiens
/ APPLICANT: Astra Therapeutics, Inc.
/ APPLICANT: Novartis, James
/ APPLICANT: Hoechst, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/162 (MMB04-172-A), 060
/ CURRENT FILING DATE: 2004-06-03
/ PRIOR FILING DATE: 2003-10-31/0/593,311
/ PRIOR APPLICATION NUMBER: US 10/698,311
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 10/757,803
/ PRIOR FILING DATE: 2004-01-14
/ PRIOR FILING DATE: 2003-11-24/0/720,448
/ PRIOR APPLICATION NUMBER: US 10/693,059
/ PRIOR FILING DATE: 2003-10-23
/ PRIOR FILING DATE: 2003-05-23
/ PRIOR APPLICATION NUMBER: PCT/US03/05346
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US 10/698,311
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR FILING DATE: 2004-04-10
/ REMAINING Prior Application data removed - See File Wrapper or PAM.
/ NUMBER OF SEQ ID NOS: 374
/ SOFTWARE: Patent version 3.3
/ SEQ ID NO: 1
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ APPLICANT: Astra Therapeutics, Inc.
/ APPLICANT: Novartis, James
/ APPLICANT: Hoechst, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/162 (MMB04-172-A), 060
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense

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PRIOR FILLING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 34
SEQ ID NO 35
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURES: Description of Artificial Sequence: Target Sequence/bDNA sense strand
US:10:661,060-34
Query Match      1.2% Score 19 DB 1 Length 19
Base Local Similarity    68.4% Pct No.26+02: 0 Indels 0 Gaps 0
Matches 13/ Conservative Mismatches 0/
Db              597 TCCAGCATGATTAAGT 615
               :|||||:|||||:
               I UGCACGGAGUCCAGUAGU 19
RESUME 216
Sequence 35 Application US/10661060
Publication No. US20050217155A1
GENERAL INFORMATION: SeqSourceApp, Inc.
APPLICANT: McQuiggin, James
APPLICANT: Haberill, Peter
APPLICANT: Chavira, Barbet
TITLE OR INVENTION: Role of Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/152 (MHS90-372A1)
CURRENT FILING DATE: 2004-06-03
PRIOR FILING DATE: 2003-10-31 US/10661060
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16 US/75,803
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24 US/693,059
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23 US/083/05346
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20 US/10,669,211
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
NUMBERS: See File Wrapper or BLM.
SOFTWARE: PatentIn version 3.3
SEQ ID NO 35
SEQ ID NO 36
LENGTH 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURES: Description of Artificial Sequence: Target Sequence/bDNA sense strand
US:10:661,060-35
Query Match      1.2% Score 19 DB 1 Length 19
Base Local Similarity    73.7% Pct No.26+02: 0 Indels 0 Gaps 0
Matches 14/ Conservative Mismatches 0/
Db              615 TCATCACTGCCCGCACC 633
               :|||:|||||:
               615 TCATCACTGCCCGCACC 633

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Db          1 CCCCCCCCCCCCTCCCTC 19

RESUME 237
US-10-861-060-16
Sequence 36, Application US/10661060
Publication No. US2005013715A1
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McWiggen, James
APPLICANT: Hebbell, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (IMH804-372-A)
CURRENT APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/053046
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/053048
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
PUBLICATION NO.: 2004-10-28
NUMBER OF SEQ ID NOS: 374
SOFTWARE: Preemim version 3.3
SEQ ID NO 36
TYPE: RNA
ORGANISM: Artificial Sequence
DESCRIPTION: Description of Artificial Sequence
Query Match 1 24; Score 19; DB 1; Length 19;
Mismatched Nucleotically: 6; Mismatches 6; Indels 0; Gaps 0;
Matches 13; Conservedly: 6; Mismatches 6; Indels 0; Gaps 0;
db      633 CAGCATTCGTGATTTCTGC 521
        TTTTCTTCTTTTCTTTTCTTCTT
1 CAGCATTCGTGATTTCTGC 19

RESUME 238
US-10-861-060-37
Sequence 37, Application US/10661060
Publication No. US2005013715A1
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McWiggen, James
APPLICANT: Hebbell, Peter
APPLICANT: Howarth, Bruce
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/162 (IMH804-372-A)
CURRENT APPLICATION NUMBER: US/10/661,060
PRIOR APPLICATION NUMBER: US 10/698,311

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RESULT 241
US-10-861-060-40
Sequence 40, Application US/10861060
Publication No. US20090519715S01
APPLICANT: Stryker Therapeutics, Inc.
APPLICANT: Stryker Therapeutics, Inc.
APPLICANT: McWidgen, James
APPLICANT: Haeberli, Peter
TITLE OF INVENTION: Short interfering mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/152 IMBHQ4-372A1, 060
CURRENT APPLICATION NUMBER: US/10/861,060
PRIORITY DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-27/USO3/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-13 /US/899311
PRIOR APPLICATION NUMBER: PCT/US04/13566
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13566
PRIOR FILING DATE: 2004-04-30
NUMBER OF SEQ IDS: 314
SEQUENCE 40
SEQ ID NO 40
SEQUENCE 40
SEQUENCE 40
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense vs
US-10-861-060-40
Query Match 1,2% Score 19; DB 1; Length 19;
Best Local Similarity 63.2% Pwd No. 26+02; 0; Indels 0; Gaps 0;
Matches 12; Commercial? ?; Nucleotide 723
Cv 705 GGCTGACATCAAGATT 723
|||||
1 GGCCDCHCHCHCAAGCGU 19
RESULT 242
US-10-861-060-41
Sequence 41, Application US/10861060
Publication No. US20090519715S01
GENERAL INFORMATION:
APPLICANT: Stryker Therapeutics, Inc.
APPLICANT: Stryker Therapeutics, Inc.
APPLICANT: Haeberli, Peter
APPLICANT: Haeberli, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/152 IMBHQ4-372A1, 060
CURRENT APPLICATION NUMBER: US/10/861,060
PRIORITY DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US/10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16

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PRIOR APPLICATION NUMBER US 10/757,803  
PRIOR FILING DATE 2003-11-24  
PRIOR APPLICATION NUMBER US 10/720,448  
PRIOR FILING DATE 2003-11-24  
PRIOR APPLICATION NUMBER US 10/693,059  
PRIOR FILING DATE 2003-11-24  
PRIOR FILING DATE 2003-10-20/US/044,453  
PRIOR FILING DATE 2003-05-23  
PRIOR APPLICATION NUMBER PCT/US03/05346  
PRIOR FILING DATE 2003-02-20/US03/05028  
PRIOR FILING DATE 2003-02-20  
PRIOR APPLICATION NUMBER US 10/698311  
PRIOR FILING DATE 2003-10-31/US04/13465  
PRIOR FILING DATE 2004-04-30  
NUMBER OF SEQ ID NOS: 374  
REMARKS: Parental version 3.3

SEQUENCE INFORMATION: Description of Artificial Sequence: Target sequence/aiha sense r

Query Match:  
Best Local Similarity 84.2% Pred. No. 2e+02;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

723 TAAACATTTTAAAAAGC 741  
DB :|||||  
1 UAAACCAAAAATTAATTCG 19

RESULT 243  
US-10-861-060-42  
Sequence 42, Application US/10681060  
Publication No. US2005017155A1  
Inventor(s) Smith Therapeutics Inc.  
Applicant: Smith Therapeutics Inc.  
Agent: McSwiggen, James  
Applicant: MacNeill, Peter  
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
FILE REFERENCE: 400/162 (WBGH-90-372-A)  
CURRENT FILING DATE: 2004-06-03/862,060  
PRIOR APPLICATION NUMBER US 10/598,311  
PRIOR FILING DATE 2003-10-31  
PRIOR APPLICATION NUMBER US 10/826,966  
PRIOR FILING DATE 2004-01-14  
PRIOR APPLICATION NUMBER US 10/757,803  
PRIOR FILING DATE 2004-01-14  
PRIOR APPLICATION NUMBER US 10/720,448  
PRIOR FILING DATE 2003-11-24  
PRIOR APPLICATION NUMBER US 10/693,059  
PRIOR FILING DATE 2003-10-23  
PRIOR APPLICATION NUMBER US 10/444,453  
PRIOR FILING DATE 2003-02-20  
PRIOR APPLICATION NUMBER PCT/US03/05346  
PRIOR FILING DATE 2003-02-20/US03/05028  
PRIOR FILING DATE 2003-02-20/US/044,453  
PRIOR FILING DATE 2003-05-23/US03/059311  
PRIOR FILING DATE 2003-10-31  
PRIOR APPLICATION NUMBER PCT/US04/13465  
PRIOR FILING DATE 2004-04-30  
NUMBER OF SEQ ID NOS: 374  
REMARKS: Parental version 3.3





APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: Mckaygen, James  
 APPLICANT: Hachell, Peter  
 APPLICANT: Hachell, Peter  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siRNA)  
 FILE REFERENCE: 400/162 (HMB04-372A)  
 CURRENT APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 TYPE: RNA  
 LENGTH: 19  
 OTHER INFORMATION: Description of Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense  
 US-10-661-060-48  
 Query Match 1.24; Score 19; DB 1; Length 19;  
 Best Local Similarity 68.4%; Pseq. No. 2e+02;  
 Matches 13; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 869 TATATACGATATCTTCAAAA 667  
 DB 1 UAAUUAUCCUUAUAGAA 19  
 RESULT 250  
 US-10-661-060-49  
 Sequence 49, Application US/10681060  
 Publication No. US20050137155A1  
 GENERAL INFORMATION: PCT/US03/05346  
 APPLICANT: Mckaygen, James  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: Hachell, Peter  
 APPLICANT: Hachell, Peter  
 TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using  
 Short interfering Nucleic Acid (siRNA)  
 FILE REFERENCE: 400/162 (HMB04-372A)  
 CURRENT APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 TYPE: RNA  
 LENGTH: 19  
 OTHER INFORMATION: Description of Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense  
 US-10-661-060-49  
 Query Match 1.24; Score 19; DB 1; Length 19;  
 Best Local Similarity 68.4%; Pseq. No. 2e+02;  
 Matches 13; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 867 TATATACGATATCTTCAAAA 665  
 DB 1 UAAUUAUCCUUAUAGAA 19  
 RESULT 251  
 US-10-661-060-50  
 Sequence 50, Application US/10681060  
 Publication No. US20050137155A1  
 GENERAL INFORMATION: PCT/US03/05346  
 APPLICANT: Mckaygen, James  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: Hachell, Peter  
 APPLICANT: Hachell, Peter  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siRNA)  
 FILE REFERENCE: 400/162 (HMB04-372A)  
 CURRENT APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 TYPE: RNA  
 LENGTH: 19  
 OTHER INFORMATION: Description of Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense









C/ 1009 TCTGATTCGAAATTTT 1047  
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 DB 1 UUCGAGGACAAAAGAAATTT 19

RESULT 260  
 US-10-861-060-59  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Strata Therapeutics, Inc.  
 APPLICANT: Hoechst, Pfizer  
 APPLICANT: Hoechst, Pfizer  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (MEMB04-372-A)  
 CURRENT FILING DATE: 2004-06-03  
 PRIOR FILING DATE: 2003-10-21 10/698.311  
 PRIOR APPLICATION NUMBER: US 10/836,966  
 PRIOR FILING DATE: 2004-04-16 10/757,803  
 PRIOR FILING DATE: 2004-01-14 10/720,448  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24 10/693,059  
 PRIOR FILING DATE: 2003-10-21 10/698,311  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23 10/503/05346  
 PRIOR FILING DATE: 2003-02-20 10/599,311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR FILING DATE: 2003-02-20 10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2003-10-21 10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR FILING DATE: 2003-02-20 10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 59  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 DESCRIPTION: Description of Artificial Sequence: Target Sequence/AIN sense r

Query Match 1.2% Score 19 DB 1 Length 19  
 Local Similarity 48.4% Pct No. 28+021  
 Matches 9 Conservative 10 Mismatches 0 Indels 0 Gaps 0

C/ 1047 TATTTATTCCTCCCTCA 1065  
 |||||:|||||:|||||:  
 DB 1 UUUUUUUUUUUUUUUUUUU 19

RESULT 261  
 US-10-861-060-60  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Strata Therapeutics, Inc.  
 APPLICANT: Hoechst, Pfizer  
 APPLICANT: Hoechst, Pfizer  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (MEMB04-372-A)  
 CURRENT FILING DATE: 2004-06-03  
 PRIOR FILING DATE: 2003-10-21 10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456

PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-21 10/826,966  
 PRIOR FILING DATE: 2004-04-16 10/757,803  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-01-14 10/720,448  
 PRIOR FILING DATE: 2003-11-24 10/693,059  
 PRIOR FILING DATE: 2003-10-21 10/698,311  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23 10/503/05346  
 PRIOR FILING DATE: 2003-02-20 10/599,311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR FILING DATE: 2003-02-20 10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 60  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 DESCRIPTION: Description of Artificial Sequence: Target Sequence/AIN sense r

Query Match 1.2% Score 19 DB 1 Length 19  
 Local Similarity 68.4% Pct No. 28+021  
 Matches 13 Conservative 6 Mismatches 0 Indels 0 Gaps 0

C/ 1065 ACTTATATATTAATTAATCA 1083  
 |||||:|||||:|||||:  
 DB 1 ACTTATATATTAATTAATCA 19

RESULT 262  
 US-10-861-060-61  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Strata Therapeutics, Inc.  
 APPLICANT: Hoechst, Pfizer  
 APPLICANT: Hoechst, Pfizer  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (MEMB04-372-A)  
 CURRENT FILING DATE: 2004-06-03  
 PRIOR FILING DATE: 2003-10-21 10/698,311  
 PRIOR APPLICATION NUMBER: US 10/836,966  
 PRIOR FILING DATE: 2004-04-16 10/757,803  
 PRIOR FILING DATE: 2004-01-14 10/720,448  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24 10/693,059  
 PRIOR FILING DATE: 2003-10-21 10/698,311  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23 10/503/05346  
 PRIOR FILING DATE: 2003-02-20 10/599,311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR FILING DATE: 2003-02-20 10/698,311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456

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; PRIOR FILING DATE: 2004-04-30
; Remaining prior Application data removed - See file Wrapper or PMX.
; NUMBER OF SEQ ID NOS: 374
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 61
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
; FEATURE: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/biNA sense 5'
US-10-861-060-61

Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 78.9% Pred. No. 2e+02; 0; Mismatches 0; Gaps 0;
Matches 15; Conservative 5; Indels 0; Caps 0;

Cy 1063 ACCTTAAACACACATA 1101
1 AGCGAAGACACACATA 19

RESULT 263
US-10-861-060-62
; Application US/10661060
; Publication No. US20050315551
; GENERAL INFORMATION:
; APPLICANT: Sirta Therapeutics, Inc.
; APPLICANT: Sirta Therapeutics, Inc.
; APPLICANT: Chuvartz, Sharet
; APPLICANT: Heesell, Peter
; TITLE OF INVENTION: RNA interference mediated Treatment of Parkinson Disease Using
; FILE REFERENCES: 400/162 (PMB04-372-A)
; CURRENT APPLICATION NUMBER: US/10/661,060
; PRIOR FILING DATE: 2004-06-03/698,311
; PRIOR APPLICATION NUMBER: US/10/626,966
; PRIOR FILING DATE: 2003-10-31/10,693,059
; PRIOR APPLICATION NUMBER: US/10/826,966
; PRIOR FILING DATE: 2004-04-16/10,757,803
; PRIOR APPLICATION NUMBER: US/10/770,448
; PRIOR FILING DATE: 2004-11-24/10,693,059
; PRIOR APPLICATION NUMBER: 2003-10-22/0503/05346
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US03/05028
; PRIOR FILING DATE: 2003-10-31/10,698,111
; PRIOR APPLICATION NUMBER: PCT/US04/13456
; PRIOR FILING DATE: 2004-04-30
; TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
; NUMBER OF SEQ ID NOS: 374
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 62
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/biNA sense 5'
US-10-861-060-63

Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 78.9% Pred. No. 2e+02; 0; Mismatches 0; Gaps 0;
Matches 15; Conservative 5; Indels 0; Caps 0;

Cy 1101 ATTATACATCAACAA 1119
1 AATATACATCAACAA 19

RESULT 264
US-10-861-060-63
; Application US/10661060
; Publication No. US200503171551
; GENERAL INFORMATION:
; APPLICANT: Sirta Therapeutics, Inc.
; APPLICANT: Sirta Therapeutics, Inc.
; APPLICANT: Chuvartz, Sharet
; APPLICANT: Heesell, Peter
; TITLE OF INVENTION: RNA interference mediated Treatment of Parkinson Disease Using
; FILE REFERENCES: 400/162 (PMB04-372-A)
; CURRENT APPLICATION NUMBER: US/10/661,060
; PRIOR FILING DATE: 2003-10-31/10,698,311
; PRIOR APPLICATION NUMBER: US/10/826,966
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US/10/720,448
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US/10/693,059
; PRIOR FILING DATE: 2003-10-22/0503/05346
; PRIOR APPLICATION NUMBER: PCT/US03/05028
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US03/05346
; PRIOR FILING DATE: 2003-10-31/10,698,111
; PRIOR APPLICATION NUMBER: PCT/US04/13456
; PRIOR FILING DATE: 2003-10-31
; TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
; NUMBER OF SEQ ID NOS: 374
; SOFTWARE: PatentIn version 3.3
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/biNA sense 5'
US-10-861-060-63

Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 78.9% Pred. No. 2e+02; 0; Mismatches 0; Gaps 0;
Matches 15; Conservative 4; Indels 0; Caps 0;

Cy 1119 AGCGAAGACACACATA 1137
1 AGCGAAGACACACATA 19

RESULT 265
US-10-861-060-64
; Application US/10661060
; Publication No. US200503171551
; GENERAL INFORMATION:
; APPLICANT: Sirta Therapeutics, Inc.
; APPLICANT: Sirta Therapeutics, Inc.
; APPLICANT: Chuvartz, Sharet
; APPLICANT: Heesell, Peter
; TITLE OF INVENTION: RNA interference mediated Treatment of Parkinson Disease Using
; FILE REFERENCES: 400/162 (PMB04-372-A)
; CURRENT APPLICATION NUMBER: US/10/661,060
; PRIOR FILING DATE: 2004-06-03/698,311
; PRIOR APPLICATION NUMBER: US/10/626,966
; PRIOR FILING DATE: 2003-10-31/10,693,059
; PRIOR APPLICATION NUMBER: US/10/826,966

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PRIOR FILLING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILLING DATE: 2004-01-14/10/720,448
PRIOR FILLING DATE: 2003-11-24/10/693,059
PRIOR FILLING DATE: 2003-10-23/10/444,853
PRIOR FILLING DATE: 2003-05-23/10/5028
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILLING DATE: 2003-02-20/US03/05028
PRIOR FILLING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILLING DATE: 2003-10-31/US04/13456
PRIOR FILLING DATE: 2004-04-20
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQUENCE: Patentin version 3.3
LENGTH: 19
TYPE: RNA
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-661-060-64
Query Match
Beat Local Similarity 63.24% Pred. No. 2e+02 Length 19/
Matches 12/ Conservative 7/ Mismatches 0/ Indels 0/ Gaps 0/
1137 TATTATTCGCAATTGAGC 1155
1 UUUUUUUUUUUUUUUUUUUUU 19
RESULT 265
US-10-661-060-65
Publication No. US20050137155S1
OTHER INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Hoechst, Peter
APPLICANT: Chowetta, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (MH080-372-N) Nucleic Acid (sRNA)
CURRENT FILLING DATE: 2004-06-01/US04/05346
PRIOR FILLING DATE: 2003-10-31/US03/05346
PRIOR APPLICATION NUMBER: US 10/692,966
PRIOR FILLING DATE: 2004-04-16/US03/05346
PRIOR FILLING DATE: 2004-01-14/10/757,803
PRIOR FILLING DATE: 2003-11-24/10/720,448
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILLING DATE: 2003-10-23/10/444,853
PRIOR FILLING DATE: 2003-05-23/10/5028
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILLING DATE: 2003-02-20/US03/05346
PRIOR FILLING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILLING DATE: 2003-02-20/US03/05028
PRIOR FILLING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILLING DATE: 2004-04-20
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374

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SOFTWARE: Patentin version 3.3
SEQ ID NO 65
SEQUENCE: Patentin version 3.3
LENGTH: 19
TYPE: RNA
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-661-060-65
Query Match
Beat Local Similarity 78.84% Pred. No. 2e+02 Length 19/
Matches 15/ Conservative 4/ Mismatches 0/ Indels 0/ Gaps 0/
1155 GAGCGCGAATTTGAGC 1173
1 GAGCGCGAATTTGAGC 19
RESULT 267
US-10-661-060-66
Sequence 66, Application US/10681060
Publication No. US20050137155S1
OTHER INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Hoechst, Peter
APPLICANT: WCGSigen, James
TITLE OF INVENTION: Short Interfering Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (MH080-372-N) Nucleic Acid (sRNA)
CURRENT FILLING DATE: 2004-06-03/US04/05346
PRIOR FILLING DATE: 2003-10-31/US03/05346
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILLING DATE: 2003-10-31/US03/05346
PRIOR FILLING DATE: 2004-04-16/US03/05346
PRIOR FILLING DATE: 2004-01-14/10/720,448
PRIOR FILLING DATE: 2003-11-24/10/693,059
PRIOR FILLING DATE: 2003-10-23/10/444,853
PRIOR FILLING DATE: 2003-05-23/10/5028
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILLING DATE: 2003-02-20/US03/05028
PRIOR FILLING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILLING DATE: 2003-10-31
PRIOR FILLING DATE: 2004-04-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILLING DATE: 2004-04-20
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQUENCE: Patentin version 3.3
LENGTH: 19
TYPE: RNA
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-661-060-66
Query Match
Beat Local Similarity 89.51% Pred. No. 2e+02 Length 19/
Matches 17/ Conservative 0/ Indels 0/ Gaps 0/
1173 GAGCGCGAATTTGAGC 1191
1 GAGCGCGAATTTGAGC 19
RESULT 268

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PRIOR FILING DATE: 2003-10-23
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20 / US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2003-10-31 / US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 72
TYPER: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/SLIN sense
US-10-861-060-72
Query Match 1.2% Score 19; DB 1; Length 19;
Beat Local Similarity 68.4%; Pred. No. 28:02;
Matches 13; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
Db 1 UNAB000300UNAB0003 19

RESULT 774
US-10-861-060-73
Publication US/1061060
GENERAL INFORMATION:
APPLICANT: Strim Therapeutics, Inc.
APPLICANT: Heberell, Peter
APPLICANT: Chovvira, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
PRIOR FILING DATE: 2003-02-20 / US03/05346
PRIOR FILING DATE: 2003-10-31
FILE REFERENCE: 400/163 (US04-372-20) Nucleic Acid (sRNA)
CURRENT FILING DATE: 2004-06-03 / US04/13456
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2004-04-16 / US03/05346
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24 / US03/05346
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,453
PRIOR FILING DATE: 2003-05-23 / US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20 / US03/05346
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 73
TYPER: RNA
ORGANISM: Artificial Sequence
FEATURE:

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OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/SLIN sense
US-10-861-060-73
Query Match 1.2% Score 19; DB 1; Length 19;
Beat Local Similarity 73.7%; Pred. No. 28:02;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
Db 1339 A0ACCCCAACACATCATCT 1337
1 A0ACCCCAACACATCATCT 19

RESULT 275
US-10-861-060-74
Publication US/1061060
GENERAL INFORMATION:
APPLICANT: Strim Therapeutics, Inc.
APPLICANT: Heberell, Peter
APPLICANT: Chovvira, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
PRIOR FILING DATE: 2003-02-20 / US03/05346
PRIOR FILING DATE: 2003-10-31
FILE REFERENCE: 400/163 (US04-372-20) Nucleic Acid (sRNA)
CURRENT FILING DATE: 2004-06-03 / US04/13456
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16 / US03/05346
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24 / US03/05346
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-05-23 / US03/05346
PRIOR FILING DATE: 2003-02-20 / US03/05346
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 74
TYPER: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/SLIN sense
US-10-861-060-74
Query Match 1.2% Score 19; DB 1; Length 19;
Beat Local Similarity 57.4%; Pred. No. 28:02;
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
Db 13317 TTAGGCTTATTATCTCC 1335
1 UNAB000300UNAB0003 19

RESULT 776
US-10-861-060-75
Publication US/1061060
GENERAL INFORMATION:
APPLICANT: Strim Therapeutics, Inc.
APPLICANT: Heberell, Peter
APPLICANT: Chovvira, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
PRIOR FILING DATE: 2003-02-20 / US03/05346
PRIOR FILING DATE: 2003-10-31
FILE REFERENCE: 400/163 (US04-372-20) Nucleic Acid (sRNA)
CURRENT FILING DATE: 2004-06-03 / US04/13456
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16 / US03/05346
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24 / US03/05346
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-05-23 / US03/05346
PRIOR FILING DATE: 2003-02-20 / US03/05346
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 75
TYPER: RNA
ORGANISM: Artificial Sequence
FEATURE:

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CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698 311
PRIOR FILING DATE: 2003-10-31
PRIOR PCT NO.: WO/2004/07826
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757 803
PRIOR FILING DATE: 2004-01-14
PRIOR PCT NO.: WO/2005/01720
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693 059
PRIOR FILING DATE: 2003-10-23
PRIOR PCT NO.: WO/2004/044 853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-07-20
PRIOR PCT NO.: WO/2005/05028
PRIOR FILING DATE: 2003-02-27
PRIOR APPLICATION NUMBER: US 10/698 311
PRIOR FILING DATE: 2003-10-31
PRIOR PCT NO.: WO/2004/13456
Remaining Prior Application data removed - See file Wrapper or PAWL.
NUMBER OF SEQ ID NOS: 374
SEQ NAME: RecAmin version 3.3
SEQ ID NO: 1
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
SEQUENCE DESCRIPTION: RecAmin version 3.3
US-10-681-060-83
Query Match
Best Local Similarity 42.1% Seq 19 DB 1
Matches 8; Conservative 11; Mismatches 0; Indels 0; Gaps 0;
C# 1479 ACCTAGTGGCCGACATTT 1497
DB 1 AUCUUAUUUGUCGAUUU 19

RESULT: 285
US-10-681-060-84
Sequence 84: Application US 10/681060
GENERAL INFORMATION: US05017155AL
APPLICANT: Sirna Therapeutics, Inc.
INVENTOR: Heston J. Smith, Jr.;
APPLICANT: McSwiggen, James
PUBLICATION: Heidehl, Peter
TITLE OR INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCES: 4,001,152 (WO/84/072,64)
CURRENT FILING DATE: 2004-06-03
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698 311
PRIOR FILING DATE: 2003-10-31
PRIOR PCT NO.: WO/2004/086 966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757 803
PRIOR FILING DATE: 2004-01-14
PRIOR PCT NO.: WO/2005/01720
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693 059
PRIOR FILING DATE: 2003-10-23
PRIOR PCT NO.: WO/2004/044 853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-07-20
PRIOR PCT NO.: WO/2005/05028
PRIOR FILING DATE: 2003-02-27
PRIOR APPLICATION NUMBER: US 10/698 311
PRIOR FILING DATE: 2003-10-31
PRIOR PCT NO.: WO/2004/13456
Remaining Prior Application data removed - See file Wrapper or PAWL.
NUMBER OF SEQ ID NOS: 374
SEQ NAME: RecAmin version 3.3
SEQ ID NO: 1
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
SEQUENCE DESCRIPTION: RecAmin version 3.3
US-10-681-060-83
Query Match
Best Local Similarity 42.1% Seq 19 DB 1
Matches 8; Conservative 11; Mismatches 0; Indels 0; Gaps 0;
C# 1479 ACCTAGTGGCCGACATTT 1497
DB 1 AUCUUAUUUGUCGAUUU 19

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1 PRIOR APPLICATION NUMBER: PCT/US04/13456
2 PRIOR FILING DATE: 2004-04-30
3 Remaining Prior Application data removed - See file Wrapper or PAM.
4 PRIOR FILING DATE: 2003-10-31
5 Remaining Prior Application data removed - See file Wrapper or PAM.
6 APPENDIX: Sequence version 3.3
7 SEQ ID NO 84
8 LENGTH: 19
9 TYPE: RNA
10 ORIGIN:
11 Artificial Sequence
12 FEATURE:
13 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-861-060-84
14
15 Query Match
16 Best Local Similarity 63.2% Pred. No. 2e+02;
17 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB      1 UNDETECTEDANUNADNA 19

RESULT 287
US-10-861-060-86
Sequence 86: Application US/10861060
Publication No. US2005031755A1
APPLICANT: Astra Therapeutics, Inc.
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/162 (MEMB04-372-A)
CURRENT FILING DATE: 2004-05-03
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-20
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698,911
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/10698911
Remaining Prior Application data removed - See File Wrapper or PALM.
Number of SEQ ID NOS: 374
SOFTWARE: Patent version 3.3
SD ID NO 87
TYPE: RNA
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense H
Query Match 1.2% Score 19; DB 1; Length 19;
Base Local Similarity 73.7%; Pred. No. 2e+02;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

DB      1 ANUNADNAUNADNACCA 19

RESULT 288
US-10-861-060-97/C
Sequence 87: Application US/10861060
Publication No. US2005031755A1
APPLICANT: Astra Therapeutics, Inc.
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/162 (MEMB04-372-A)
CURRENT FILING DATE: 2004-05-03
PRIOR APPLICATION NUMBER: US/10698911
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PALM.
Number of SEQ ID NOS: 374
SOFTWARE: Patent version 3.3
SD ID NO 86
TYPE: RNA
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense H
Query Match 1.2% Score 19; DB 1; Length 19;
Base Local Similarity 73.7%; Pred. No. 2e+02;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

DB      1 ANUNADNAUNADNACCA 19

RESULT 289
US-10-861-060-86/C
Sequence 88: Application US/10861060
Publication No. US2005031755A1
APPLICANT: Astra Therapeutics, Inc.
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/162 (MEMB04-372-A)
CURRENT FILING DATE: 2004-05-03
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-20
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698,911
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/10698911
Remaining Prior Application data removed - See File Wrapper or PALM.
Number of SEQ ID NOS: 374
SOFTWARE: Patent version 3.3
SD ID NO 87
TYPE: RNA
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
Query Match 1.2% Score 19; DB 1; Length 19;
Base Local Similarity 100.0%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB      3 ANUNADNAUNADNACCA 21
19 ANUNADNAUNADNACCA 1

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NUMBER OF SEQ ID NOS: 374  
 SEQ ID NOS: 1-374  
 LENGTH: 19

TYPE: RNA  
 FEATURE: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-861-060-88

Query Match 1, 24; Score 19; DB 1; Length 19;  
 Beat Local Similarity 100.0%; Pctd. No 2e+02;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

21 GTCGTGGTAAAGCATTC 19

19 GTCGTGGTAAAGCATTC 1

RESULT 290

US-10-861-060-89/c  
 Publication No. US2005013758L

GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.

APPLICANT: Hebelein, Peter

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 400/452 (NM0044-372-50) Nucleic Acid (sRNA)

CURRENT FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US/10/861,060

PRIOR FILING DATE: 2004-04-16/10/698,311

PRIOR FILING DATE: 2003-11-24/10/698,311

PRIOR FILING DATE: 2003-11-24/10/698,311

PRIOR FILING DATE: 2003-11-24/10/698,311

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PRIOR FILING DATE: 2003-11-24/10/698,311

PRIOR FILING DATE: 2003-11-24/10/698,311

PRIOR FILING DATE: 2003-11-24/10/698,311

US-10-861-060-90/c  
 Publication No. US2005013758L

GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.

APPLICANT: Hebelein, Peter

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 400/452 (NM0044-372-50) Nucleic Acid (sRNA)

CURRENT FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US/10/861,060

PRIOR FILING DATE: 2003-11-24/10/698,311

PRIOR FILING DATE: 2003-11-24/10/698,311

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PRIOR FILING DATE: 2003-11-24/10/698,311

PRIOR FILING DATE: 2003-11-24/10/698,311

US-10-861-060-91/c  
 Publication No. US2005013758L

GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.

APPLICANT: Hebelein, Peter

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 400/452 (NM0044-372-50) Nucleic Acid (sRNA)

CURRENT FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US/10/861,060

PRIOR FILING DATE: 2003-11-24/10/698,311

PRIOR FILING DATE: 2003-11-24/10/698,311

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PRIOR FILING DATE: 2003-11-24/10/698,311

PRIOR FILING DATE: 2003-11-24/10/698,311







PRIOR FILING DATE: 2003-05-22  
 PRIOR FILING DATE: 2003-05-20 (US/003/05346)  
 PRIOR FILING DATE: 2003-02-20 (US/001/05028)  
 PRIOR APPLICATION NUMBER: PCT/US01/05028  
 PRIOR FILING DATE: 2003-02-20 (US/003/05346)  
 PRIOR FILING DATE: 2003-02-20 (US/001/05028)  
 PRIOR FILING DATE: 2003-02-20 (US/003/05346)  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-19 (US/004/13456)  
 PRIOR FILING DATE: 2004-04-19 (US/004/13456)  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO: 99  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-661-060-99

Query Match 1 2% Score 19; DB 1; Length 19;  
 Similarity: 100.0% Pred.No.2e+02; 0; Indels 0; Gaps 0;  
 Matches 19; Conservative 0; Mismatches 0; Gaps 0

Db 219 AACCTACAGAGCTGACG 237  
 19 AACCTACAGAGCTGACG 1

RESULT 301  
 US-10-661-060-100/c  
 Sequence 100, Application US/10661060  
 Publication No. US2005013155A1  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Hebebell, Peter  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (HMB04-372-A)  
 CURRENT FILING DATE: 2004-06-03 (US/004/13456)  
 PRIOR FILING DATE: 2003-10-31 (US/003/05208)  
 PRIOR FILING DATE: 2003-05-23 (US/001/05028)  
 PRIOR APPLICATION NUMBER: US 10/659,111  
 PRIOR FILING DATE: 2004-01-16  
 PRIOR FILING DATE: 2004-01-16 (US/004/13456)  
 PRIOR APPLICATION NUMBER: US 10/757,403  
 PRIOR FILING DATE: 2004-01-14 (US/004/13456)  
 PRIOR FILING DATE: 2003-11-24 (US/003/05346)  
 PRIOR APPLICATION NUMBER: US 10/659,059  
 PRIOR FILING DATE: 2003-11-24 (US/003/05346)  
 PRIOR FILING DATE: 2003-10-23 (US/003/05346)  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20 (US/003/05208)  
 PRIOR FILING DATE: 2003-02-20 (US/003/05208)  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-31 (US/004/13456)  
 PRIOR FILING DATE: 2004-04-10 (US/004/13456)  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO: 100  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-661-060-100

Query Match 1 2% Score 19; DB 1; Length 19;  
 Similarity: 100.0% Pred.No.2e+02; 0; Indels 0; Gaps 0;  
 Matches 19; Conservative 0; Mismatches 0; Gaps 0

Db 237 CAATGTGAGAGCTGACG 255  
 19 CAATGTGAGAGCTGACG 1

RESULT 302  
 US-10-661-060-101/c  
 Sequence 101, Application US/10661060  
 Publication No. US2005013155A1  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Hebebell, Peter  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (HMB04-372-A)  
 CURRENT FILING DATE: 2004-06-03 (US/004/13456)  
 PRIOR FILING DATE: 2003-10-31 (US/003/05208)  
 PRIOR FILING DATE: 2003-05-23 (US/001/05028)  
 PRIOR APPLICATION NUMBER: US 10/659,111  
 PRIOR FILING DATE: 2004-01-16  
 PRIOR FILING DATE: 2004-01-16 (US/004/13456)  
 PRIOR APPLICATION NUMBER: US 10/757,403  
 PRIOR FILING DATE: 2004-01-14 (US/004/13456)  
 PRIOR FILING DATE: 2003-11-24 (US/003/05346)  
 PRIOR APPLICATION NUMBER: US 10/659,059  
 PRIOR FILING DATE: 2003-11-24 (US/003/05346)  
 PRIOR FILING DATE: 2003-10-23 (US/003/05346)  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20 (US/003/05208)  
 PRIOR FILING DATE: 2003-02-20 (US/003/05208)  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-31 (US/004/13456)  
 PRIOR FILING DATE: 2004-04-10 (US/004/13456)  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO: 101  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-661-060-101

Query Match 1 2% Score 19; DB 1; Length 19;  
 Similarity: 100.0% Pred.No.2e+02; 0; Indels 0; Gaps 0;  
 Matches 19; Conservative 0; Mismatches 0; Gaps 0

Db 255 TGGTACAGAGCTGACG 273  
 19 TGGTACAGAGCTGACG 1

RESULT 303  
 US-10-661-060-102/c  
 Sequence 102, Application US/10661060  
 Publication No. US2005013155A1  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Hebebell, Peter  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (HMB04-372-A)  
 CURRENT FILING DATE: 2004-06-03 (US/004/13456)  
 PRIOR FILING DATE: 2003-10-31 (US/003/05208)  
 PRIOR FILING DATE: 2003-05-23 (US/001/05028)  
 PRIOR APPLICATION NUMBER: US 10/659,111  
 PRIOR FILING DATE: 2004-01-16  
 PRIOR FILING DATE: 2004-01-16 (US/004/13456)  
 PRIOR APPLICATION NUMBER: US 10/757,403  
 PRIOR FILING DATE: 2004-01-14 (US/004/13456)  
 PRIOR FILING DATE: 2003-11-24 (US/003/05346)  
 PRIOR APPLICATION NUMBER: US 10/659,059  
 PRIOR FILING DATE: 2003-11-24 (US/003/05346)  
 PRIOR FILING DATE: 2003-10-23 (US/003/05346)  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20 (US/003/05208)  
 PRIOR FILING DATE: 2003-02-20 (US/003/05208)  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-31 (US/004/13456)  
 PRIOR FILING DATE: 2004-04-10 (US/004/13456)  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO: 102  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-661-060-102





Matches 19: Conservative 0 Mismatches 0 Indels 0 Gaps 0

Query Match

Db 19 TTTCCAGGACCCGAGCTT 1

RESULT 106

US-10-861-060-107/c

Sequence 106: Application US/10661060

GENERAL INFORMATION:

APPLICANT: Strima Therapeutics, Inc.

APPLICANT: Chovvita, Bharat

APPLICANT: Haseeb, Iqbal

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 400/162 (M8804-372-A)

CURRENT APPLICATION NUMBER: US/10/861,060

PRIOR APPLICATION NUMBER: US/10/698,311

PRIOR FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: US/10/826,966

PRIOR FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: US/10/720,448

PRIOR FILING DATE: 2004-01-14

PRIOR APPLICATION NUMBER: US/10/693,559

PRIOR FILING DATE: 2003-10-23

PRIOR APPLICATION NUMBER: US/10/444,553

PRIOR FILING DATE: 2003-10-20

PRIOR APPLICATION NUMBER: PCT/US03/05028

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: PCT/US03/05346

PRIOR FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: PCT/US03/05028

PRIOR FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: PCT/US04/13456

PRIOR FILING DATE: 2003-10-31

Remaining Prior Application data removed - See File Wrapper or PAM.

NUMBER OF SEQ ID NOS: 374

SOFTWARE: PatentIn version 3.3

TYPE: RNA

LENGTH: 19

ORIGIN: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region

Query Match

Db 19 TTTCCAGGACCCGAGCTT 1

RESULT 107

US-10-861-060-107/c

Sequence 107: Application US/10661060

GENERAL INFORMATION:

APPLICANT: Strima Therapeutics, Inc.

APPLICANT: Chovvita, Bharat

APPLICANT: Haseeb, Iqbal

TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)

CURRENT APPLICATION NUMBER: US/10/861,060

CURRENT FILING DATE: 2004-06-01

PRIOR APPLICATION NUMBER: US/10/698,311

PRIOR FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: US/10/826,966

PRIOR FILING DATE: 2004-04-16

PRIOR APPLICATION NUMBER: US/10/720,448

PRIOR FILING DATE: 2004-01-14

PRIOR APPLICATION NUMBER: US/10/693,559

PRIOR FILING DATE: 2003-10-23

PRIOR APPLICATION NUMBER: US/10/444,553

PRIOR FILING DATE: 2003-05-23

PRIOR APPLICATION NUMBER: PCT/US03/05346

PRIOR FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: PCT/US03/05028

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: US/10/693,559

Matches 19: Conservative 0 Mismatches 0 Indels 0 Gaps 0

Query Match

Db 19 TTTCCAGGACCCGAGCTT 1

RESULT 108

US-10-861-060-107/c

Sequence 108: Application US/10661060

GENERAL INFORMATION:

APPLICANT: Strima Therapeutics, Inc.

APPLICANT: Chovvita, Bharat

APPLICANT: Haseeb, Iqbal

TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)

CURRENT APPLICATION NUMBER: US/10/861,060

CURRENT FILING DATE: 2004-06-01

PRIOR APPLICATION NUMBER: US/10/698,311

PRIOR FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: US/10/826,966

PRIOR FILING DATE: 2004-04-16

PRIOR APPLICATION NUMBER: US/10/720,448

PRIOR FILING DATE: 2004-01-14

PRIOR APPLICATION NUMBER: US/10/693,559

PRIOR FILING DATE: 2003-10-23

PRIOR APPLICATION NUMBER: US/10/444,553

PRIOR FILING DATE: 2003-05-23

PRIOR APPLICATION NUMBER: PCT/US03/05346

PRIOR FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: PCT/US03/05028

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: US/10/693,559





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RESULT 314
US-10-861-060-113/c
Sequence 113: Application US/10661060
GENERAL INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: MesSalign, James
APPLICANT: Chovviri, Shaleel
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CURRENT APPLICATION NUMBER: US/10/699311
PRIOR FILING DATE: 2004-06-03/0593.059
PRIOR APPLICATION NUMBER: US/10/692.966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US/10/757.803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US/10/693.059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US/10/444.853
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US/10/699311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Prior Application data removed - See File Wrapper or PAM.
US-10-861-060-113
SEQUENCE: 13
SOFTWARE: Patentin version 3.3
LENGTH: 19
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
Query Match 1.24; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred.No.2e+02; Mismatches 0; Gaps 0;
Matches 19; Conservative 0; Indels 0;
DB 471 AAATTTTCTCTCTCCGCT 489
19 AAAAAAAAAAAAAAAAAA 1
RESULT 315
US-10-861-060-114/c
Sequence 114: Application US/10661060
GENERAL INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: MesSalign, James
APPLICANT: Chovviri, Shaleel
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CURRENT APPLICATION NUMBER: US/10/699311
PRIOR FILING DATE: 2004-06-03/0593.059
PRIOR APPLICATION NUMBER: US/10/692.966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Prior Application data removed - See File Wrapper or PAM.
US-10-861-060-114
SEQUENCE: 13
SOFTWARE: Patentin version 3.3
LENGTH: 19
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
Query Match 1.24; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred.No.2e+02; Mismatches 0; Gaps 0;
Matches 19; Conservative 0; Indels 0;
DB 489 TTCTCTGAGTCTCTCTCCGCT 507
19 TTTCTTGAATCTCTCTCCGCT 1
RESULT 316
US-10-861-060-115/c
Sequence 115: Application US/10661060
GENERAL INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: MesSalign, James
APPLICANT: Chovviri, Shaleel
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CURRENT APPLICATION NUMBER: US/10/699311
PRIOR FILING DATE: 2004-06-03/0593.059
PRIOR APPLICATION NUMBER: US/10/692.966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Prior Application data removed - See File Wrapper or PAM.
US-10-861-060-115
SEQUENCE: 13
SOFTWARE: Patentin version 3.3
LENGTH: 19
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
Query Match 1.24; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred.No.2e+02; Mismatches 0; Gaps 0;
Matches 19; Conservative 0; Indels 0;
DB 489 TTCTCTGAGTCTCTCTCCGCT 507
19 TTTCTTGAATCTCTCTCCGCT 1

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PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-22 US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-22 US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/598311
PRIOR FILING DATE: 2003-10-22 US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 118
SEQ ID NO 119
LENGTH: 19
TYPE: RNA
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-661-060-118
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pct. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19 TCTCAGATTTTCAGAT 1
RESULT 320
US-10-661-060-119/c
US-10-661-060-119 Application US/10661060
Publication No. US20050137155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Chovitz, Blazek
APPLICANT: Heberill, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (HMBD03-372-N)
CURRENT FILING DATE: 2004-06-03 US 10/651,060
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-10-21
PRIOR APPLICATION NUMBER: US 10/626,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-03-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-22 US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 119
SEQ ID NO 118
LENGTH: 19
TYPE: RNA
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-661-060-120
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pct. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19 TCTCAGATTTTCAGAT 1

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ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-661-060-119
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pct. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19 TCTCAGATTTTCAGAT 1
RESULT 321
US-10-661-060-120/c
US-10-661-060-120 Application US/10661060
Publication No. US20050137155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Chovitz, Blazek
APPLICANT: Heberill, Peter
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/162 (HMBD03-372-N)
CURRENT FILING DATE: 2004-06-03 US 10/651,060
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-10-21
PRIOR APPLICATION NUMBER: US 10/626,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-03-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 120
SEQ ID NO 119
LENGTH: 19
TYPE: RNA
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-661-060-120
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pct. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19 TCTCAGATTTTCAGAT 1
RESULT 322
US-10-661-060-121/c
US-10-661-060-121 Application US/10661060
Publication No. US20050137155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Chovitz, Blazek
APPLICANT: Heberill, Peter
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
FILE REFERENCE: 400/162 (HMBD03-372-N)
CURRENT FILING DATE: 2004-06-03 US 10/651,060
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-10-21
PRIOR APPLICATION NUMBER: US 10/626,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-03-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-22 US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 121
SEQ ID NO 120
LENGTH: 19
TYPE: RNA
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-661-060-121
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pct. No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19 TCTCAGATTTTCAGAT 1

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APPLICANT: Sirm, Therapeutics, Inc.
APPLICANT: MGS4gen, James
APPLICANT: Chabot, Peter
APPLICANT: Chabot, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
CURRENT APPLICATION NUMBER: US/10/681,060
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior Application data removed - See File Wrapper or PALM.
SOFTWARE: PatentIn version 3.3
SEQ ID NO 121
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-681,060-121
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%, Pctd No. 26+02/0, Indels 0; Gaps 0;
Matches 19; Complement 0; Mismatches 0;
DB 615 CACCTATTCGCGCCCGCCGTC 633
19 CCGACATTCGCGCGCCCGTC 1
RESULT: 323
US-10-681,060-122/0
Sequence 123: Application US/10681060
Publication No. US20050137155A1
GENERAL INFORMATION:
APPLICANT: MGS4gen, James
APPLICANT: Chabot, Peter
APPLICANT: Chabot, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/162 (NBI04-372-A)
CURRENT APPLICATION NUMBER: US/10/681,060
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior Application data removed - See File Wrapper or PALM.
SOFTWARE: PatentIn version 3.3
SEQ ID NO 122
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-681,060-122
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%, Pctd No. 26+02/0, Indels 0; Gaps 0;
Matches 19; Complement 0; Mismatches 0;
DB 633 CACCTATTCGCGCGCCCGTC 651
19 CCGACATTCGCGCGCCCGTC 1
RESULT: 324
US-10-681,060-123/0
Sequence 123: Application US/10681060
Publication No. US20050137155A1
GENERAL INFORMATION:
APPLICANT: MGS4gen, James
APPLICANT: Chabot, Peter
APPLICANT: Chabot, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/162 (NBI04-372-A)
CURRENT APPLICATION NUMBER: US/10/681,060
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior Application data removed - See File Wrapper or PALM.
SOFTWARE: PatentIn version 3.3
SEQ ID NO 123
LENGTH: 19
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-681,060-123

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Oy 795 TCGAATTCGTCCTTT 813  
 Db 19 TCGAATTCGTCCTTT 1  
 RESULT 133  
 US-10-861-060-132/c  
 Publication 132, Application US/10681060  
 Title of Invention: Short Interfering Nucleic Acid (siRNA)  
 Applicant: Sirta Therapeutics, Inc.  
 Applicant: Meebelle, James  
 Applicant: Meebelle, Peter  
 Title of Invention: Short Interfering Nucleic Acid (siRNA)  
 Title Reference: 400/162 (MHB04-372-A)  
 Current Filing Date: 2004-06-03/0861,060  
 Prior Filing Date: 2003-10-31/0593,311  
 Prior Application Number: US 10/659,311  
 Prior Filing Date: 2004-04-16/0826,966  
 Prior Filing Date: 2003-10-31/0720,448  
 Prior Application Number: US 10/757,803  
 Prior Filing Date: 2004-01-14/0720,448  
 Prior Filing Date: 2003-10-23/0593,059  
 Prior Application Number: US 10/693,059  
 Prior Filing Date: 2003-05-23/05346  
 Prior Application Number: PCT/US03/05346  
 Prior Filing Date: 2003-02-20/US03/05058  
 Prior Filing Date: 2003-02-20  
 Prior Application Number: US 10/698311  
 Prior Filing Date: 2003-10-31/US04/13456  
 Prior Filing Date: 2004-04-10  
 Remaining Prior Application data removed - See File Wrapper of PALM.  
 Number of SEQ ID NOS: 374  
 SEQ ID NO 132  
 SEQ ID NO 133  
 Length: 19  
 Type: RNA  
 Feature: Artificial Sequence  
 Other Information: Description of Artificial Sequence: siRNA antisense region  
 US-10-861-060-132  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pct No. 2e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Oy 813 TCGATCAATATATTA 831  
 Db 19 TCGATCAATATATTA 1  
 RESULT 334  
 US-10-861-060-133/c  
 Publication No. US2005013155A1  
 General Information:  
 Applicant: Sirta Therapeutics, Inc.  
 Applicant: Meebelle, Peter  
 Applicant: Meebelle, James  
 Title of Invention: RNA Interference Mediated Treatment of Parkinson Disease Using  
 Title Reference: 400/162 (MHB04-372-A)  
 File Reference: 400/162 (MHB04-372-A)  
 Current Application Number: US/10/861,060  
 Prior Filing Date: 2004-06-03

Prior Application Number: US 10/698,311  
 Prior Filing Date: 2003-10-31/0826,966  
 Prior Filing Date: 2004-04-16/0757,803  
 Prior Application Number: US 10/757,803  
 Prior Filing Date: 2004-01-14/0720,448  
 Prior Filing Date: 2003-11-24/0593,059  
 Prior Application Number: US 10/693,059  
 Prior Filing Date: 2003-05-23/05346  
 Prior Application Number: PCT/US03/05346  
 Prior Filing Date: 2003-02-20/US03/05058  
 Prior Filing Date: 2003-02-20  
 Prior Application Number: US 10/698311  
 Prior Filing Date: 2003-10-31/US04/13456  
 Prior Filing Date: 2004-04-10  
 Remaining Prior Application data removed - See File Wrapper of PALM.  
 Number of SEQ ID NOS: 374  
 SEQ ID NO 132  
 SEQ ID NO 133  
 Length: 19  
 Type: RNA  
 Feature: Artificial Sequence  
 Other Information: Description of Artificial Sequence: siRNA antisense region  
 US-10-861-060-133  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pct No. 2e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Oy 831 AGATTTTCGTCCTTT 849  
 Db 19 AGATTTTCGTCCTTT 1  
 RESULT 335  
 US-10-861-060-133/c  
 Publication No. US2005013155A1  
 General Information:  
 Applicant: Sirta Therapeutics, Inc.  
 Applicant: Meebelle, Peter  
 Applicant: Meebelle, James  
 Title of Invention: RNA Interference Mediated Treatment of Parkinson Disease Using  
 Title Reference: 400/162 (MHB04-372-A)  
 File Reference: 400/162 (MHB04-372-A)  
 Current Application Number: US/10/861,060  
 Prior Filing Date: 2004-06-03/0826,966  
 Prior Application Number: US 10/698,311  
 Prior Filing Date: 2003-10-31/0826,966  
 Prior Filing Date: 2004-04-16/0757,803  
 Prior Application Number: US 10/757,803  
 Prior Filing Date: 2004-01-14/0720,448  
 Prior Filing Date: 2003-11-24/0593,059  
 Prior Application Number: US 10/693,059  
 Prior Filing Date: 2003-05-23/05346  
 Prior Application Number: PCT/US03/05346  
 Prior Filing Date: 2003-02-20/US03/05058  
 Prior Filing Date: 2003-02-20  
 Prior Application Number: US 10/698311  
 Prior Filing Date: 2003-10-31/US04/13456  
 Prior Application Number: PCT/US04/13456

PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 REMAINING PRIOR APPLICATION NUMBER: US 10/698,311  
 SOFTWARE: Patent version 3.3  
 SSO ID NO 134  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: s1NM antisense region  
 US-10-661-060-135  
 Query Match 1.24; Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pred. No. 2e+02;  
 Matches 19; Conservative 0; Mismatch 0; Indels 0; Gaps 0;  
 DB 19 ATTATGATGATGATGAAA 1

RESULT 316  
 Sequence 135, Application US/10661060  
 Publication No. US20050317155A1  
 GENERAL INFORMATION:  
 APPLICANT: McLaughlin, James  
 APPLICANT: McLaughlin, James  
 APPLICANT: Hoeberli, Peter  
 APPLICANT: Hoeberli, Blaise  
 TITLE OF INVENTION: Short interfering mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/152 (US804-372-A)  
 CURRENT APPLICATION NUMBER: US/10/661,060  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-09-03  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 REMAINING PRIOR APPLICATION data removed - See File Wrapper or PALM.  
 NUMBER OF SSO ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: s1NM antisense region  
 US-10-661-060-135  
 Query Match 1.24; Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pred. No. 2e+02;  
 Matches 19; Conservative 0; Mismatch 0; Indels 0; Gaps 0;  
 DB 19 ATTATGATGATGATGAAA 1

RESULT 317  
 Sequence 136, Application US/10661060  
 Publication No. US20050317155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: McLaughlin, James  
 APPLICANT: Hoeberli, Peter  
 APPLICANT: Hoeberli, Blaise  
 TITLE OF INVENTION: Short interfering mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/152 (US804-372-A)  
 CURRENT APPLICATION NUMBER: US/10/661,060  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-09-03  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2004-04-30  
 REMAINING PRIOR APPLICATION data removed - See File Wrapper or PALM.  
 NUMBER OF SSO ID NOS: 373  
 SOFTWARE: Patent version 3.3  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: s1NM antisense region  
 US-10-661-060-136  
 Query Match 1.24; Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pred. No. 2e+02;  
 Matches 19; Conservative 0; Mismatch 0; Indels 0; Gaps 0;  
 DB 885 ATTATGATGATGATGAAA 903  
 DB 19 ATTATGATGATGATGAAA 1

RESULT 318  
 Sequence 137, Application US/10661060  
 Publication No. US20050317155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: McLaughlin, James  
 APPLICANT: Hoeberli, Peter  
 APPLICANT: Hoeberli, Blaise  
 TITLE OF INVENTION: Short interfering mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/152 (US804-372-A)  
 CURRENT APPLICATION NUMBER: US/10/661,060  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/826,966

PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See file Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SEQ ID NO 13  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pctd. No. 2e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 903 TACTTAAATATATGAC 321  
 19 TACTTAAATATATGAC 1  
 RESULT 339  
 US-10-861-060-138/C  
 Sequence 139, Application US/10861060  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 ORGANISM: Streptococcus, Inc.  
 APPLICANT: Hebelein, Peter  
 APPLICANT: Hebelein, Peter  
 TITLE OF INVENTION: RNA interference mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (IMB04-372-A)  
 CURRENT FILING DATE: 2004-06-10/698,311  
 PRIOR APPLICATION NUMBER: US/10/861,060  
 PRIOR FILING DATE: 2004-04-16/10/757,803  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2003-10-31/10/693,059  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24/10/693,059  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-02-20/05346  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-10-31/10/698311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See file Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374

SOFTWARE: Patent version 3.3  
 SEQ ID NO 138  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pctd. No. 2e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 921 CATGAACTATGACCTT 339  
 19 CATGAACTATGACCTT 1  
 RESULT 340  
 US-10-861-060-139/C  
 Sequence 139, Application US/10861060  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 ORGANISM: Streptococcus, Inc.  
 APPLICANT: Hebelein, Peter  
 APPLICANT: Hebelein, Peter  
 TITLE OF INVENTION: RNA interference mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (IMB04-372-A)  
 CURRENT FILING DATE: 2004-06-10/698,311  
 PRIOR APPLICATION NUMBER: US/10/861,060  
 PRIOR FILING DATE: 2003-10-31/10/693,059  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2003-10-31/10/693,059  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2004-01-14/10/757,803  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-10-23/10/444,853  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20/05028  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-10-31/10/698311  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See file Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SEQ ID NO 139  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 Query Match 1.2% Score 19; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pctd. No. 2e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 939 TAAATCTATATGAAAT 357  
 19 TAAATCTATATGAAAT 1  
 RESULT 341

US-10-661-060-140/C  
 Sequence 140, Application US/10661060  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Mckaygen, James  
 APPLICANT: Hasebille, Peter  
 APPLICANT: Hower, Brian  
 TITLE OF INVENTION: Short interfering Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (MEMBR9-172A)  
 CURRENT APPLICATION NUMBER: PCT/US03/0528  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/698 311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/686 966  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/757 803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720 448  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/444 853  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05328  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 LENGTH: 19  
 SEQ ID NO 141  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-661-060-140  
 Query Match 1 28; Score 19; DB 1; Length 19;  
 Exact Local Similarity 100.0%; Pctd. No. 26+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-10-661-060-142/C  
 Sequence 142, Application US/10661060  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Mckaygen, James  
 APPLICANT: Hasebille, Peter  
 APPLICANT: Hower, Brian  
 TITLE OF INVENTION: Short interfering Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (MEMBR9-172A)  
 CURRENT APPLICATION NUMBER: PCT/US03/0528  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/698 311  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/757 803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720 448  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/444 853  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05328  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 LENGTH: 19  
 SEQ ID NO 142  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-661-060-141  
 Query Match 1 28; Score 19; DB 1; Length 19;  
 Exact Local Similarity 100.0%; Pctd. No. 26+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;







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APPLICANT: Hoechst, Pfizer
TITLE OF INVENTION: Short interfering Nucleic Acid Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (PMB04-372-A)
CURRENT APPLICATION NUMBER: US/10/681,060
PRIOR FILING DATE: 2003-10-31 US/0,698,311
PRIOR APPLICATION NUMBER: US/10/826,966
PRIOR FILING DATE: 2004-01-14 US/0,757,803
PRIOR APPLICATION NUMBER: US/10/720,448
PRIOR FILING DATE: 2003-10-23 US/0,693,059
PRIOR APPLICATION NUMBER: US/10/444,853
PRIOR FILING DATE: 2003-10-20 US/0,693,059
PRIOR APPLICATION NUMBER: PCT/US03/05048
PRIOR FILING DATE: 2003-10-31 US/0,698,311
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2003-10-31 US/0,698,311
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
Query Match
Beat Local Similarity: 100.0% Pred. No. 26+02
Matches 19: Conservative 0 Mismatches 0 Indels 0 Gaps 0
DB 19 AGCAAAATTTTAAATTT 1137
1101 AGCAAAATTTTAAATTT 1139
RESULT 350
US-10-861-060-149/c
Sequence 149: Application US/10681060
GENERAL INFORMATION:
APPLICANT: Hoechst, Pfizer
APPLICANT: Astra Therapeutic, Inc.
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (PMB04-372-A)
CURRENT APPLICATION NUMBER: US/10/681,060
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US/10/698,311
PRIOR FILING DATE: 2004-04-16 US/0,826,966
PRIOR APPLICATION NUMBER: US/10/757,803
PRIOR FILING DATE: 2003-11-24 US/0,693,059
PRIOR APPLICATION NUMBER: US/10/720,448
PRIOR FILING DATE: 2003-10-31 US/0,698,311
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2003-10-31 US/0,698,311
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 150
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-861-060-150

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PRIOR APPLICATION NUMBER: PCT/US03/05048
PRIOR FILING DATE: 2003-02-20 US/0,693,059
PRIOR APPLICATION NUMBER: PCT/US03/05048
PRIOR FILING DATE: 2003-10-31 US/0,698,311
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2003-10-31 US/0,698,311
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 149
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-861-060-149
Query Match
Beat Local Similarity: 100.0% Pred. No. 26+02
Matches 19: Conservative 0 Mismatches 0 Indels 0 Gaps 0
DB 19 AGCAAAATTTTAAATTT 1137
1119 AGCAAAATTTTAAATTT 1137
RESULT 351
US-10-861-060-150/c
Sequence 150: Application US/10681060
GENERAL INFORMATION:
APPLICANT: Hoechst, Pfizer
APPLICANT: Astra Therapeutic, Inc.
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (PMB04-372-A)
CURRENT APPLICATION NUMBER: US/10/681,060
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US/10/698,311
PRIOR FILING DATE: 2003-10-31 US/0,826,966
PRIOR APPLICATION NUMBER: US/10/757,803
PRIOR FILING DATE: 2004-04-16 US/0,720,448
PRIOR APPLICATION NUMBER: US/10/720,448
PRIOR FILING DATE: 2003-11-24 US/0,693,059
PRIOR APPLICATION NUMBER: US/10/720,448
PRIOR FILING DATE: 2003-10-31 US/0,698,311
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2003-10-31 US/0,698,311
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 150
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-861-060-150

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Query Match      1.2% Score 19; DB 1; Length 19;
Beat Local Similarity 100.0%; Pred.No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1117 TATTATACCATTTGAGG 1155
19 TATTATACCATTTGAGG 1

RESULT 352
US-10-661-060-151/c
Publication No. US02050317155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Heberell, Peter
APPLICANT: Chovetia, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/152 (IMBR04-372-A)
CURRENT FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US/10/699.311
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US/10/826.966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US/10/757.803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US/10/720.448
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US/10/444.853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 151
TYPE: RNA
FEATURE: Artificial Sequence
FEATURE: INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-661-060-151
1.2% Score 19; DB 1; Length 19;
Beat Local Similarity 100.0%; Pred.No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1155 GAGGTGAGGATTTGAGG 1173
19 GAGGTGAGGATTTGAGG 1

RESULT 353
US-10-661-060-152/c
Sequence 152, Application US/10661060
Publication No. US2005013155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Heberell, Peter
APPLICANT: Chovetia, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/152 (IMBR04-372-A)
CURRENT FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US/10/699.311
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US/10/826.966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US/10/757.803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US/10/699.059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028

TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/152 (IMBR04-372-A)
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US/10/698.311
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US/10/757.803
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US/10/826.966
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US/10/720.448
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US/10/444.853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAMM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 152
TYPE: RNA
LENGTH: 19
FEATURE: Artificial Sequence
FEATURE: INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-661-060-152
1.2% Score 19; DB 1; Length 19;
Beat Local Similarity 100.0%; Pred.No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1173 GAGGTGAGGATTTGAGG 1191
19 GAGGTGAGGATTTGAGG 1

RESULT 354
US-10-661-060-153/c
Sequence 153, Application US/10661060
Publication No. US2005013155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Heberell, Peter
APPLICANT: Chovetia, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/152 (IMBR04-372-A)
CURRENT FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US/10/699.311
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US/10/826.966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US/10/757.803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US/10/699.059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028

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CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31/0/896,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14/0/720,448
PRIOR FILING DATE: 2003-11-24/0/693,059
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23/0/44,853
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20/0/50528
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31/US04/13456
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 156
US-10-661-060-156
LENGTH: 19
TYPE: RNA
ARTIFICIAL SEQUENCE
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-661-060-156
Query Match 1.24; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred.No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1245 GATTCATCGCTGCTTAA 1263
DB 19 GATTCATCGCTGCTTAA 1
RESULT 358
US-10-661-060-157/c
Sequence 157, Application US/10661060
Publication No. US2005017155A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McWiggin, James
APPLICANT: Hachell, Peter
APPLICANT: Chowfite, Shazet
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/152 (Hachell/72N,060)
CURRENT FILING DATE: 2004-06-03
CURRENT APPLICATION NUMBER: US/10/661,060
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31/0/693,059
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2004-04-16/0/528,966
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14/0/720,448
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-11-24/0/593,059
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20/0/50528
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20/0/589,311
PRIOR FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-10-31

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Db 19 TTGAAAGTGGGGTGTGAA 1

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RESULT 360
US-10-861-060-159/c
Sequence 160, Application US/10861060
Publication No. US20050137155A1
GENERAL INFORMATION:
APPLICANT: Sirm Therapeutics, Inc.
TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using Nucleic Acid
FILE REFERENCE: 400/162 (PMB#4-372-A)
CURRENT FILING DATE: 2004-06-03/0.698,011
PRIOR FILING DATE: 2003-10-31/0.698,011
PRIOR APPLICATION NUMBER: US/10/826,966
PRIOR FILING DATE: 2004-04-16/0.757,803
PRIOR FILING DATE: 2004-01-14/0.757,803
PRIOR FILING DATE: 2004-01-14/0.757,803
PRIOR FILING DATE: 2003-11-24/0.693,059
PRIOR FILING DATE: 2003-10-23/0.693,059
PRIOR FILING DATE: 2003-10-23/0.693,059
PRIOR FILING DATE: 2003-05-31/US03/05346
PRIOR APPLICATION NUMBER: PCT/US03/05208
PRIOR FILING DATE: 2003-02-20/0.693,011
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-01-14/0.693,011
Remaining Prior Art: All prior art data removed - see File Wrapper or PMM.
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.3
SEQ LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-861-060-159
Query-Match 1-24, Score 19, DB 1; Length 19;
Similarity 100.0%, GC 40.0%;
Matches 19; Conservative 0; Mismatched 0; Indels 0; Gaps 0;
db 19 MATCHESACTIVATOR 1

```







```

Publication No. US20050317155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
INVENTOR: Mesavaygan, James
APPLICANT: Mesavaygan, James
APPLICANT: Chowdhry, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
Short Interfering Nucleic Acid (siRNA)
CURRENT APPLICATION NUMBER: US/10/661,060
PRIOR APPLICATION NUMBER: US 10/698,911
PRIOR FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698,911
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See file wrapper or PAM.
US-10-661-060-167
SOFTWARE: Patent version 3.3
SRO ID NO 167
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
Query Match
Best Local Similarity: 100.0%; Pred.No.2e+02; 0; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 0
1443 TTTTATTTTCTCTTAA 1461
19 TTTTATTTTCTCTTAA 1
Db
RESULT 369
US-10-661-169/c
Sequence 169: Application US/10661060
Publication No. US20050317155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
INVENTOR: Mesavaygan, James
APPLICANT: Mesavaygan, James
APPLICANT: Chowdhry, Bharat
TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
CURRENT APPLICATION NUMBER: US/10/661,060
PRIOR APPLICATION NUMBER: US 10/698,911
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24

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PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698,911
PRIOR FILING DATE: 2003-10-31/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See file wrapper or PAM.
US-10-661-060-168
SOFTWARE: Patent version 3.3
SRO ID NO 168
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
Query Match
Best Local Similarity: 100.0%; Pred.No.2e+02; 0; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 0
1461 TTTTATTTTCTCTTAA 1479
19 TTTTATTTTCTCTTAA 1
Db
RESULT 370
US-10-661-169/c
Sequence 169: Application US/10661060
Publication No. US20050317155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
INVENTOR: Mesavaygan, James
APPLICANT: Mesavaygan, James
APPLICANT: Chowdhry, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
Short Interfering Nucleic Acid (siRNA)
CURRENT APPLICATION NUMBER: US/10/661,060
PRIOR APPLICATION NUMBER: US 10/698,911
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24

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FEATURE:
// OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-861-060-169
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred.No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1479 ATTCTTCTGCTGCTACT 1497
DB 13 ATTCTTCTGCTGCTACT 1

RESULT 371
US-10-861-060-170/C
GENERAL INFORMATION:
Publication No. US10861060
Applicant: Medegen, James
Applicant: Habbell, Peter
Applicant: Stima Therapeutics, Inc.
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
Short, Intersecting Nucleic Acid (siRNA)
CURRENT APPLICATION NUMBER: US 11/0761,060
PRIOR FILING DATE: 2004-06-03-31
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/699311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-16
Remaining Prior Application data removed - See File Wrapper or PAM.
Software: Patent version 3.3
SEQ ID NO 170
LENGTH: 19
TITER: RNA
ORGANISM: Artificial Sequence
FEATURE:
// OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-861-060-170
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred.No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1497 TGTGCTGCTGCTGCTACT 1515
DB 13 TGTGCTGCTGCTGCTACT 1

RESULT 372
US-10-861-060-171/C
GENERAL INFORMATION:
Publication No. US10861060
Applicant: Medegen, James
Applicant: Habbell, Peter
Applicant: Stima Therapeutics, Inc.
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
Short, Intersecting Nucleic Acid (siRNA)
CURRENT APPLICATION NUMBER: US 11/0761,060
PRIOR FILING DATE: 2004-06-03-31
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/699311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-16
Remaining Prior Application data removed - See File Wrapper or PAM.
Software: Patent version 3.3
SEQ ID NO 171
LENGTH: 19
TITER: RNA
ORGANISM: Artificial Sequence
FEATURE:
// OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-861-060-171
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred.No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1515 TTTTCAATTAATTAATTA 1533
DB 13 TTTTCAATTAATTAATTA 1

RESULT 373
US-10-861-060-172/C
GENERAL INFORMATION:
Publication No. US10861060
Applicant: Medegen, James
Applicant: Habbell, Peter
Applicant: Stima Therapeutics, Inc.
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
Short, Intersecting Nucleic Acid (siRNA)
CURRENT APPLICATION NUMBER: US 11/0761,060
PRIOR FILING DATE: 2004-06-03-31
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/699311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-16
Remaining Prior Application data removed - See File Wrapper or PAM.
Software: Patent version 3.3
SEQ ID NO 172
LENGTH: 19
TITER: RNA
ORGANISM: Artificial Sequence
FEATURE:
// OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-861-060-172
Query Match 1.2% Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred.No. 2e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1533 TTTTCAATTAATTAATTA 1553
DB 13 TTTTCAATTAATTAATTA 1

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/ PRIOR FILLING DATE: 2003-09-23
/ PRIOR APPLICATION NUMBER: US/0501/05346
/ PRIOR FILLING DATE: 2003-09-20
/ PRIOR APPLICATION NUMBER: PCT/US01/05028
/ PRIOR FILLING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US/10/698111
/ PRIOR FILLING DATE: 2003-09-23
/ PRIOR APPLICATION NUMBER: PCT/US01/13456
/ PRIOR FILLING DATE: 2004-04-30
/ Remaining PCR Application data removed - See File Wrapper or PAM.
/ PRIOR FILLING DATE: 2003-09-23
/ SOFTWARE: Pcrealm version 3.3
/ SEQ ID NO 172
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region
US-10-658-311-253
Query Match
Base Local Similarity 100.0%; Pred.No.=402;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OR 1533 AATGAAATGATTCGACCA 1541
19 AATGAAATGATTCGACCA 1
RESULT 374
/ Sequence 253
/ Publication No. US20040219671A1
/ GENERAL INFORMATION:
/ APPLICANT: McSwiggen, James
/ APPLICANT: Heebell, Peter
/ TITLE OF INVENTION: Short interfering Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (MEMB03-198-A)
/ CURRENT APPLICATION NUMBER: US/10/698311
/ PRIOR FILLING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: PCT/US03/05028
/ PRIOR FILLING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US/60/358,580
/ PRIOR FILLING DATE: 2003-09-23
/ PRIOR APPLICATION NUMBER: US/60/363,124
/ PRIOR FILLING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US/60/386,782
/ PRIOR FILLING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US/60/393,796
/ PRIOR APPLICATION NUMBER: 60/399,348
/ PRIOR FILLING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US/60/406,784
/ PRIOR FILLING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US/60/408,378
/ PRIOR FILLING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US/60/409,293
/ PRIOR FILLING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US/60/440,139
/ PRIOR FILLING DATE: 2003-01-15
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: Pcrealm version 3.2
/ SEQ ID NO 253
/ TYPE: RNA
/ ORGANISM: Artificial
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: sRNA sense region
/ NAME/KEY: misc_Feature
/ NAME/KEY: misc_Feature

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/ LOCATION: (201..(21)
/ OTHER INFORMATION: n stands for thymidine
US-10-658-311-253
Query Match
Base Local Similarity 64.1%; Pred.No.=184;
Matches 13; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
OR 391 TATCTCTGATTCCTGAC 409
1 TATCTCTGATTCCTGAC 19
RESULT 375
US-10-658-311-254
/ Sequence 254, Application US/10698111
/ Publication No. US20040219671A1
/ GENERAL INFORMATION:
/ APPLICANT: Sarna Therapeutics, Inc.
/ APPLICANT: McSwiggen, James
/ APPLICANT: Heebell, Peter
/ TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (MEMB03-198-A)
/ CURRENT APPLICATION NUMBER: PCT/US03/05028
/ PRIOR FILLING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: PCT/US03/05028
/ PRIOR FILLING DATE: 2003-10-31
/ PRIOR FILLING DATE: 2002-09-20
/ PRIOR APPLICATION NUMBER: US/60/358,580
/ PRIOR FILLING DATE: 2002-02-20
/ PRIOR APPLICATION NUMBER: US/60/363,124
/ PRIOR FILLING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US/60/386,782
/ PRIOR FILLING DATE: 2002-06-06
/ PRIOR APPLICATION NUMBER: US/60/393,796
/ PRIOR FILLING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US/60/399,348
/ PRIOR FILLING DATE: 2002-07-29
/ PRIOR APPLICATION NUMBER: US/60/406,784
/ PRIOR FILLING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US/60/408,378
/ PRIOR FILLING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US/60/409,293
/ PRIOR FILLING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US/60/440,139
/ PRIOR FILLING DATE: 2003-01-15
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: Pcrealm version 3.2
/ SEQ ID NO 254
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ OTHER INFORMATION: Description of Artificial Sequence: sRNA sense region
/ NAME/KEY: misc_Feature
/ NAME/KEY: misc_Feature
/ OTHER INFORMATION: n stands for thymidine
US-10-658-311-254
Query Match
Base Local Similarity 78.9%; Pred.No.=184;
Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
OR 424 AATGCTGATTCGACCA 442
1 AATGCTGATTCGACCA 19
RESULT 376
US-10-658-311-255
/ Sequence 255, Application US/10698111

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1 TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
2 FILE REFERENCE: 400/137 (US0003-198-A)
3 CURRENT FILING DATE: 2003-10-31
4 PRIOR APPLICATION NUMBER: US/10/698,311
5 PRIOR APPLICATION NUMBER: PCT/US03/05028
6 PRIOR FILING DATE: 2003-02-20
7 PRIOR APPLICATION NUMBER: US 60/358,580
8 PRIOR FILING DATE: 2003-02-20
9 PRIOR APPLICATION NUMBER: US 60/358,580
10 PRIOR FILING DATE: 2002-03-11
11 PRIOR APPLICATION NUMBER: US 60/366,782
12 PRIOR FILING DATE: 2002-03-11
13 PRIOR APPLICATION NUMBER: US 60/393,796
14 PRIOR FILING DATE: 2002-07-03
15 PRIOR APPLICATION NUMBER: US 60/399,348
16 PRIOR APPLICATION NUMBER: US 60/406,784
17 PRIOR FILING DATE: 2002-08-29
18 PRIOR APPLICATION NUMBER: US 60/408,378
19 PRIOR FILING DATE: 2002-09-05
20 PRIOR APPLICATION NUMBER: US 60/409,293
21 PRIOR FILING DATE: 2002-09-09
22 PRIOR APPLICATION NUMBER: US 60/410,129
23 PRIOR FILING DATE: 2003-01-15
24 NUMBER OF SEQ ID NOS: 310
25 SOFTWARE: Patent version 3.2
26 SEQ ID NO 262
27 SEQ ID NO 263
28 TYPE: RNA
29 ORGANISM: Artificial Sequence
30 OTHER INFORMATION: Description of Artificial Sequence: siRNA sense region
31 FEATURE:
32 NAME/KEY: misc_feature
33 LOCATION: (1)..(1)
34 OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety
35 FEATURE:
36 NAME/KEY: misc_feature
37 LOCATION: (1)..(1)
38 OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety
39 FEATURE:
40 NAME/KEY: misc_feature
41 LOCATION: (1)..(1)
42 OTHER INFORMATION: 2'-deoxy-2'-fluoro
43 FEATURE:
44 NAME/KEY: misc_feature
45 LOCATION: (5)..(10)
46 OTHER INFORMATION: 2'-deoxy-2'-fluoro
47 FEATURE:
48 NAME/KEY: misc_feature
49 LOCATION: (10)..(20)
50 OTHER INFORMATION: n is a, c, g, or u
51 FEATURE:
52 NAME/KEY: misc_feature
53 LOCATION: (21)..(21)
54 OTHER INFORMATION: 3'-5' attached terminal deoxybasic moiety
55 US-10-698-311-262
56
57 Query Match: 1 2% Score 19; DB 1; Length 21;
58 Base Local Similarity: 7 3% 4; Mismatches 0; Indels 0;
59 Matches 15; Conservative 0;
60 Db 1 AAAAAAAAAAAAAAAAAA 19
61
62 RESULT 384
63 US-10-698-311-263
64 Sequence 263; Application US/10699311
65 Publication No. US2004021975A1
66 APPLICANT: Elton Therapeutics, Inc.
67 APPLICANT: MedAlign, Inc.
68 APPLICANT: Hoechst, Peter
69 APPLICANT: Hoechst, Peter
70 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

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1 TITLE OF INVENTION: Short Interfering Nucleic Acid (siRNA)
2 FILE REFERENCE: 400/137 (US0003-198-A)
3 CURRENT FILING DATE: 2003-10-31
4 PRIOR APPLICATION NUMBER: PCT/US03/05028
5 PRIOR FILING DATE: 2003-02-20
6 PRIOR APPLICATION NUMBER: US 60/358,580
7 PRIOR FILING DATE: 2002-02-20
8 PRIOR APPLICATION NUMBER: US 60/366,782
9 PRIOR FILING DATE: 2002-06-06
10 PRIOR APPLICATION NUMBER: US 60/393,796
11 PRIOR FILING DATE: 2002-07-03
12 PRIOR APPLICATION NUMBER: US 60/399,348
13 PRIOR FILING DATE: 2002-07-29
14 PRIOR APPLICATION NUMBER: US 60/406,784
15 PRIOR FILING DATE: 2002-08-29
16 PRIOR APPLICATION NUMBER: US 60/408,378
17 PRIOR FILING DATE: 2002-09-05
18 PRIOR APPLICATION NUMBER: US 60/409,293
19 PRIOR FILING DATE: 2002-09-09
20 PRIOR APPLICATION NUMBER: US 60/410,129
21 PRIOR FILING DATE: 2003-01-15
22 NUMBER OF SEQ ID NOS: 310
23 SOFTWARE: Patent version 3.2
24 SEQ ID NO 262
25 SEQ ID NO 263
26 LENGTH: 21
27 TYPE: RNA
28 ORGANISM: Artificial Sequence
29 OTHER INFORMATION: Description of Artificial Sequence: siRNA sense region
30 FEATURE:
31 NAME/KEY: misc_feature
32 LOCATION: (1)..(1)
33 OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety
34 FEATURE:
35 NAME/KEY: misc_feature
36 LOCATION: (1)..(1)
37 OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety
38 FEATURE:
39 NAME/KEY: misc_feature
40 LOCATION: (1)..(1)
41 OTHER INFORMATION: 2'-deoxy-2'-fluoro
42 FEATURE:
43 NAME/KEY: misc_feature
44 LOCATION: (5)..(10)
45 OTHER INFORMATION: 2'-deoxy-2'-fluoro
46 FEATURE:
47 NAME/KEY: misc_feature
48 LOCATION: (10)..(20)
49 OTHER INFORMATION: n is a, c, g, or u
50 FEATURE:
51 NAME/KEY: misc_feature
52 LOCATION: (21)..(21)
53 OTHER INFORMATION: 3'-5' attached terminal deoxybasic moiety
54 US-10-698-311-263
55
56 Query Match: 1 2% Score 19; DB 1; Length 21;
57 Base Local Similarity: 63 2% 7; Mismatches 0; Indels 0;
58 Matches 12; Conservative 7;
59 Db 1 AAAAAAAAAAAAAAAAAA 19
60
61 RESULT 693
62 US-10-698-311-263
63 Sequence 693; Application US/10699311
64 Publication No. US2004021975A1
65 APPLICANT: Elton Therapeutics, Inc.
66 APPLICANT: MedAlign, Inc.
67 APPLICANT: Hoechst, Peter
68 APPLICANT: Hoechst, Peter
69 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

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NAME/KEY: mlec\_feature  
 LOCATION: (18)..(18)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE:  
 NAME/KEY: mlec\_feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage  
 FEATURE:  
 NAME/KEY: mlec\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 US-10-698-311-265

Query Match  
 Seq. Local Similarity 1.00% Score 19 DB 1 Length 21  
 Matched 19 Conservative 0 Mismatches 0 Indels 0 Gaps 0  
 Matches 19 Conservative 0 Mismatches 0 Indels 0 Gaps 0

DB 19 TATCCTCTTCGATCTTCTTAC 409

391 TATCCTCTTCGATCTTCTTAC 409

US-10-698-311-267/c  
 Sequence 267 Application US/10698311  
 PUBLICATION NO. US2004021967A1  
 GENERAL INFORMATION:  
 APPLICANT: Sima Therapeutic, Inc.  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 APPLICANT: Chovera, Bharat  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)  
 FILE REFERENCE: 400/117 (MH001-17984)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20 US 60/358,580  
 PRIOR APPLICATION NUMBER: US 60/353,124  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/353,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-26  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-06  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Recman version 3.2  
 SEQ ID NO 265  
 LENGTH: 21

TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 FEATURE:  
 NAME/KEY: mlec\_feature  
 LOCATION: (1)..(1)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE:  
 NAME/KEY: mlec\_feature  
 LOCATION: (5)..(5)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE:

NAME/KEY: mlec\_feature  
 LOCATION: (18)..(18)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE:  
 NAME/KEY: mlec\_feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage  
 FEATURE:  
 NAME/KEY: mlec\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 US-10-698-311-266

Query Match  
 Seq. Local Similarity 1.00% Score 19 DB 1 Length 21  
 Matched 19 Conservative 0 Mismatches 0 Indels 0 Gaps 0  
 Matches 19 Conservative 0 Mismatches 0 Indels 0 Gaps 0

DB 19 TATCCTCTTCGATCTTCTTAC 409

424 TATCCTCTTCGATCTTCTTAC 442

US-10-698-311-267/c  
 Sequence 267 Application US/10698311  
 PUBLICATION NO. US2004021967A1  
 GENERAL INFORMATION:  
 APPLICANT: Sima Therapeutic, Inc.  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 APPLICANT: Chovera, Bharat  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)  
 FILE REFERENCE: 400/117 (MH001-17984)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20 US 60/358,580  
 PRIOR APPLICATION NUMBER: US 60/353,124  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/353,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-26  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-06  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Recman version 3.2  
 SEQ ID NO 267  
 LENGTH: 21

TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 FEATURE:  
 NAME/KEY: mlec\_feature  
 LOCATION: (1)..(1)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE:  
 NAME/KEY: mlec\_feature  
 LOCATION: (5)..(5)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE:







PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SEQ ID NO 272  
 SEQ ID NO 272  
 LENGTH: 21  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence: siRNA sense region  
 FEATURE: (1)..(11)  
 LOCATION: (1)..(11)  
 OTHER INFORMATION: 5'-3' attached terminal deoxyriboasic mostly  
 FEATURE: misc feature  
 LOCATION: (1)..(13)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc feature  
 LOCATION: (4)..(5)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc feature  
 LOCATION: (6)..(9)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc feature  
 LOCATION: (10)..(10)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc feature  
 LOCATION: (11)..(12)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc feature  
 LOCATION: (13)..(14)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc feature  
 LOCATION: (15)..(15)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc feature  
 LOCATION: (16)..(16)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc feature  
 LOCATION: (17)..(19)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 FEATURE: misc feature  
 LOCATION: (21)..(21)  
 OTHER INFORMATION: 3'-3' attached terminal deoxyriboasic mostly  
 US-10-698-311-272  
 Query Match 1.24; Score 19; DB 1; Length 21;  
 Best Local Similarity 52.6%; Pred. No. 1.8e+02;  
 Matches 10; Conservative 9; Mismatches 0; Indels 0;  
 1337 TTTCATCTCTCTGATGTTT 1355 0; Gaps 0;  
 Db 1 TTTCATCTCTCTGATGTTT 1355

RESULT 354  
 US-10-698-311-273/C  
 Publication No US20040219673.21  
 GENERAL INFORMATION:  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Hoechst, Pharmacia  
 APPLICANT: Hoechst, Pharmacia  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MHH003-198-A)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 CURRENT FILING DATE: 2003-01-15/2003/05028  
 PRIOR FILING DATE: 2003-01-20  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-28/60/363,124  
 PRIOR FILING DATE: 2002-03-11/60/386,782  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-02/60/393,796  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-07-28/60/406,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-05/60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 273  
 LENGTH: 21  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence: siRNA antisense region  
 FEATURE: (1)..(11)  
 LOCATION: (1)..(11)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc feature  
 LOCATION: (2)..(3)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc feature  
 LOCATION: (4)..(7)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc feature  
 LOCATION: (8)..(10)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc feature  
 LOCATION: (11)..(11)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc feature  
 LOCATION: (12)..(12)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc feature  
 LOCATION: (13)..(15)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc feature  
 LOCATION: (16)..(12)













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SOFTWARE: PatentIn version 3.2
SEQ ID NO 281
LENGTH: 21
TYPE: RNA
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
FEATURE:
FEATURE: misc feature
LOCATION: (1)..(11)
OTHER INFORMATION: 2'-O-methyl
FEATURE: misc feature
LOCATION: (2)..(13)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc feature
LOCATION: (4)..(7)
OTHER INFORMATION: 2'-O-methyl
FEATURE: misc feature
LOCATION: (8)..(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc feature
LOCATION: (11)..(11)
OTHER INFORMATION: 2'-O-methyl
FEATURE: misc feature
LOCATION: (12)..(12)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc feature
LOCATION: (13)..(15)
OTHER INFORMATION: 2'-O-methyl
FEATURE: misc feature
LOCATION: (16)..(16)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc feature
LOCATION: (17)..(17)
OTHER INFORMATION: 2'-O-methyl
FEATURE: misc feature
LOCATION: (18)..(18)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc feature
LOCATION: (19)..(19)
OTHER INFORMATION: 2'-O-methyl
FEATURE: misc feature
LOCATION: (20)..(20)
OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage
FEATURE: misc feature
LOCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
US-10-698-311-281
Query Match 1,23; Score 19; DB 1; Length 21;
Beq Local Similarity 100.0%; Pval No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 19 TATGCTGTGATCTCTATC 409
19 TATGCTGTGATCTCTATC 1

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Publication No. US20040219671A1
GENERAL INFORMATION:
APPLICANT: Sano Pharmaceutical, Inc.
INVENTOR: Masahiro, James
APPLICANT: Haberli, Peter
APPLICANT: Shewell, Brian
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/137 (068003-198A)11
CURRENT APPLICATION NUMBER: US/10/698-311
PRIORITY APPLICATION NUMBER: 02/0503/05028
PRIORITY FILING DATE: 2003-02-20
PRIORITY APPLICATION NUMBER: US 60/398,560
PRIORITY FILING DATE: 2002-03-11
PRIORITY APPLICATION NUMBER: US 60/363,154
PRIORITY FILING DATE: 2002-07-03
PRIORITY APPLICATION NUMBER: US 60/393,796
PRIORITY FILING DATE: 2002-07-03
PRIORITY APPLICATION NUMBER: 60/399,348
PRIORITY APPLICATION NUMBER: US 60/406,764
PRIORITY FILING DATE: 2002-08-29
PRIORITY APPLICATION NUMBER: US 60/408,378
PRIORITY APPLICATION NUMBER: US 60/409,293
PRIORITY FILING DATE: 2002-09-09
PRIORITY APPLICATION NUMBER: US 60/440,129
PRIORITY FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2
SEQ ID NO 282
LENGTH: 21
TYPE: RNA
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
FEATURE:
FEATURE: misc feature
LOCATION: (1)..(9)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc feature
LOCATION: (10)..(15)
OTHER INFORMATION: 2'-O-methyl
FEATURE: misc feature
LOCATION: (16)..(16)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc feature
LOCATION: (17)..(17)
OTHER INFORMATION: 2'-O-methyl
FEATURE: misc feature
LOCATION: (18)..(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc feature
LOCATION: (20)..(20)
OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage
FEATURE: misc feature
LOCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
US-10-698-311-282
Query Match 1,24; Score 19; DB 1; Length 21;
Beq Local Similarity 100.0%; Pval No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 PRIOR APPLICATION NUMBER: US 60/408,378
2 PRIOR FILING DATE: 2002-09-05
3 PRIOR FILING DATE: 2002-09-05
4 PRIOR FILING DATE: 2002-09-09
5 PRIOR APPLICATION NUMBER: US 60/440,129
6 PRIOR FILING DATE: 2003-10-15
7 PRIOR FILING DATE: 2003-10-15
8 SOFTWARE: PatentIn version 3.2
9 SEQ ID NO 286
10 LENGTH: 21
11 ORGANISM: Artificial Sequence
12 FEATURE:
13 OTHER INFORMATION: Description of Artificial Sequence: siRNA sense region
14 NAME/KEY: misc_feature
15 LOCATION: (1)..(1)
16 NAME/KEY: misc_feature
17 OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety
18 NAME/KEY: misc_feature
19 LOCATION: (20)..(21)
20 OTHER INFORMATION: n seconds for thymidine
21 NAME/KEY: misc_feature
22 LOCATION: (21)..(21)
23 OTHER INFORMATION: 3'-3' attached terminal deoxybasic moiety
24 US-10-698-311-286
25
26 Query Match 1.2% Score 19; DB 1; Length 21;
27 Best Local Similarity 78.9%; Pred. No. 1.8e+02;
28 Matches 19; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
29
30 Oy 424 AATGCTTCGACGAAAGG 442
31 1 AAGCCGCGCAGGAGAGG 19
32
33 RESULT 409
34 US-10-698-311-287
35 Sequence 287, Application US/10698311
36 Publication No. US2004021967A1
37 APPLICATION: Sigma Therapeutics, Inc.
38 APPLICANT: Sigma Therapeutics, Inc.
39 APPLICANT: Hebebell, Peter
40 APPLICANT: Hebebell, Peter
41 TITLE OF INVENTION: Short interfering mediated treatment of Parkinson Disease Using
42 FILE REFERENCE: 400/137 (HEB03-198-A)
43 CURRENT APPLICATION NUMBER: US/10/698,311
44 PRIOR APPLICATION NUMBER: US/03/358,580
45 PRIOR FILING DATE: 2003-02-20
46 PRIOR APPLICATION NUMBER: PCV0503/05028
47 PRIOR FILING DATE: 2002-07-03
48 PRIOR APPLICATION NUMBER: US 60/386,782
49 PRIOR FILING DATE: 2002-03-11
50 PRIOR APPLICATION NUMBER: US 60/386,792
51 PRIOR APPLICATION NUMBER: US 60/393,796
52 PRIOR FILING DATE: 2002-07-03
53 PRIOR APPLICATION NUMBER: 60/299,348
54 PRIOR FILING DATE: 2002-08-29
55 PRIOR APPLICATION NUMBER: US 60/405,784
56 PRIOR FILING DATE: 2002-08-29
57 PRIOR APPLICATION NUMBER: US 60/409,378
58 PRIOR APPLICATION NUMBER: US 60/409,393
59 PRIOR FILING DATE: 2002-09-09
60 PRIOR APPLICATION NUMBER: US 60/440,129
61 PRIOR FILING DATE: 2003-10-15
62 NUMBER OF SEQ ID NOS: 310
63 SOFTWARE: PatentIn version 3.2
64
65 SOFTWARE: PatentIn version 3.2

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1 SEQ ID NO 287
2 LENGTH: 21
3 ORGANISM: Artificial Sequence
4 FEATURE:
5 OTHER INFORMATION: Description of Artificial Sequence: siRNA sense region
6 NAME/KEY: misc_feature
7 LOCATION: (1)..(1)
8 NAME/KEY: misc_feature
9 OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety
10 NAME/KEY: misc_feature
11 LOCATION: (20)..(21)
12 OTHER INFORMATION: n seconds for thymidine
13 NAME/KEY: misc_feature
14 LOCATION: (21)..(21)
15 OTHER INFORMATION: 3'-3' attached terminal deoxybasic moiety
16 US-10-698-311-287
17
18 Query Match 1.2% Score 19; DB 1; Length 21;
19 Best Local Similarity 63.2%; Pred. No. 1.8e+02;
20 Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
21
22 Oy 675 AAGCCGCTTCGACGCT 693
23 1 AAGCCGCGCAGGAGAGG 19
24
25 RESULT 409
26 US-10-698-311-288
27 Sequence 288, Application US/10698311
28 Publication No. US2004021967A1
29 APPLICATION: Sigma Therapeutics, Inc.
30 APPLICANT: Sigma Therapeutics, Inc.
31 APPLICANT: Hebebell, Peter
32 APPLICANT: Hebebell, Peter
33 TITLE OF INVENTION: Short interfering mediated treatment of Parkinson Disease Using
34 FILE REFERENCE: 400/137 (HEB03-198-A)
35 CURRENT APPLICATION NUMBER: US/10/698,311
36 PRIOR APPLICATION NUMBER: US/03/358,580
37 PRIOR FILING DATE: 2003-02-20
38 PRIOR APPLICATION NUMBER: PCV0503/05028
39 PRIOR FILING DATE: 2002-07-03
40 PRIOR APPLICATION NUMBER: US 60/386,782
41 PRIOR FILING DATE: 2002-03-11
42 PRIOR APPLICATION NUMBER: US 60/386,792
43 PRIOR APPLICATION NUMBER: US 60/393,796
44 PRIOR FILING DATE: 2002-07-03
45 PRIOR APPLICATION NUMBER: 60/299,348
46 PRIOR FILING DATE: 2002-08-29
47 PRIOR APPLICATION NUMBER: US 60/405,784
48 PRIOR FILING DATE: 2002-08-29
49 PRIOR APPLICATION NUMBER: US 60/409,378
50 PRIOR APPLICATION NUMBER: US 60/409,393
51 PRIOR FILING DATE: 2002-09-09
52 PRIOR APPLICATION NUMBER: US 60/440,129
53 PRIOR FILING DATE: 2003-10-15
54 NUMBER OF SEQ ID NOS: 310
55 SOFTWARE: PatentIn version 3.2
56
57 SEQ ID NO 288
58 TYPE: RNA
59 ORGANISM: Artificial Sequence
60 FEATURE:
61 OTHER INFORMATION: Description of Artificial Sequence: siRNA sense region
62 NAME/KEY: misc_feature

```

LOCATION: (1)..(1)  
 OTHER INFORMATION: 5'-3' attached terminal deoxyribasic moiety  
 NAME/KEY: misc\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 NAME/KEY: misc\_feature  
 LOCATION: (21)..(21)  
 OTHER INFORMATION: 3'-3' attached terminal deoxyribasic moiety  
 US-10-698-311-288

Query Match  
 Base Local Similarity: 1.3% Score 19; DB 1; length 21;  
 Matched 19; Conservative 9; Mismatches 0; Indels 0; Gaps 0;

DB 1337 TTAGCTGCGGACATCTT 1355  
 1 TGTGACCGGCGGACAGGCGG 19

RESULT 410  
 US-10-698-311-289/c  
 Sequence 289, Application US/10698311  
 Publication No. US2004021967A1  
 GENERAL INFORMATION: Regeneron, Inc.  
 APPLICANT: Regeneron, Inc.  
 APPLICANT: McSwiggen, James  
 APPLICANT: Hasbani, Peter  
 APPLICANT: Chavakis, Bharat  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)  
 FILE REFERENCE: 400/137 (IMB03-198A)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR APPLICATION NUMBER: C/T/0503/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,560  
 PRIOR FILING DATE: 2003-03-11  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 15  
 SOFTWARE: Patern version 3.2  
 SEQ ID NO 289  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: siNA antisense region  
 NAME/KEY: misc\_feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: phosphorothioate 3'-internucleotide linkage  
 NAME/KEY: misc\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 US-10-698-311-289

Query Match  
 Base Local Similarity: 1.3% Score 19; DB 1; length 21;  
 Matched 19; Conservative 9; Mismatches 0; Indels 0; Gaps 0;

DB 391 TATGCTGCGGACATCTTAC 409  
 19 TATGCTGCGGACATCTTAC 1

RESULT 411  
 US-10-698-311-290/c  
 Sequence 290, Application US/10698311  
 Publication No. US2004021967A1  
 GENERAL INFORMATION: Regeneron, Inc.  
 APPLICANT: Regeneron, Inc.  
 APPLICANT: McSwiggen, James  
 APPLICANT: Hasbani, Peter  
 APPLICANT: Chavakis, Bharat  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)  
 FILE REFERENCE: 400/137 (IMB03-198A)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR APPLICATION NUMBER: C/T/0503/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,560  
 PRIOR FILING DATE: 2003-03-11  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 15  
 SOFTWARE: Patern version 3.2  
 SEQ ID NO 290  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: INFORMATION: Description of Artificial Sequence: siNA antisense region  
 NAME/KEY: misc\_feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: phosphorothioate 3'-internucleotide linkage  
 NAME/KEY: misc\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 US-10-698-311-290

Query Match  
 Base Local Similarity: 1.3% Score 19; DB 1; length 21;  
 Matched 19; Conservative 9; Mismatches 0; Indels 0; Gaps 0;

DB 424 ATATCTTCTTGAGAGAGAG 442  
 19 ATATCTTCTTGAGAGAGAG 1

RESULT 412  
 US-10-698-311-291/c  
 Sequence 291, Application US/10698311







RESULT 417  
US-10-661-060-756  
Sequence 256; Application US/10861060  
Publication No. US2005013155A1  
APPLICANT: Astra Therapeutics, Inc.  
INVENTOR: Hildebrandt, Peter  
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
FILE REFERENCE: 400/153 (MBHQ4-372-A)  
CURRENT APPLICATION NUMBER: US/10/661,060  
PRIORITY DATE: 2003-10-31  
PRIOR APPLICATION NUMBER: US 10/826,966  
PRIOR FILING DATE: 2004-01-14  
PRIOR APPLICATION NUMBER: US 10/757,803  
PRIOR FILING DATE: 2004-01-14  
PRIOR APPLICATION NUMBER: US 10/720,448  
PRIOR FILING DATE: 2003-10-23  
PRIOR APPLICATION NUMBER: US 10/693,059  
PRIOR FILING DATE: 2003-10-23  
PRIOR APPLICATION NUMBER: US 10/693,059  
PRIOR FILING DATE: 2003-10-23  
PRIOR APPLICATION NUMBER: PCT/US03/05346  
PRIOR FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: PCT/US03/05346  
PRIOR FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: PCT/US04/13456  
PRIOR FILING DATE: 2004-04-10  
NUMBER OF SEQ ID NOS: 374  
SOFTWARE: Perlman version 3.3  
SEQ ID NO 256  
SEQUENCE 256  
TYPE: RNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: siNA sense region  
NAME/REV: misc.featue  
LOCATION: (20) .. (21)  
US-10-661-060-256  
OTHER INFORMATION: n stands for thymidine

Query Match  
Best Local Similarity 52.6%; Score 19; Length 21,  
Matches 10; Conservative: Yes; Mismatches 0; Gaps 0;  
1337 TCGATGCTGTCAAGTTT 1395  
|||||  
I UUCACUCCUUCCAUUGUUU 19

RESULT 418  
US-10-661-060-257/c  
Sequence 257; Application US/10861060  
Publication No. US2005013155A1  
APPLICANT: Astra Therapeutics, Inc.  
INVENTOR: Hildebrandt, Peter  
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
FILE REFERENCE: 400/153 (MBHQ4-372-A)  
CURRENT APPLICATION NUMBER: US/10/661,060  
PRIORITY DATE: 2003-10-31  
PRIOR APPLICATION NUMBER: US 10/826,966  
PRIOR FILING DATE: 2004-01-14  
PRIOR APPLICATION NUMBER: US 10/757,803  
PRIOR FILING DATE: 2004-01-14  
PRIOR APPLICATION NUMBER: US 10/720,448  
PRIOR FILING DATE: 2003-10-23  
PRIOR APPLICATION NUMBER: US 10/693,059  
PRIOR FILING DATE: 2003-10-23  
PRIOR APPLICATION NUMBER: US 10/693,059  
PRIOR FILING DATE: 2003-10-23  
PRIOR APPLICATION NUMBER: PCT/US03/05346  
PRIOR FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: PCT/US03/05346  
PRIOR FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: PCT/US04/13456  
PRIOR FILING DATE: 2004-04-10  
NUMBER OF SEQ ID NOS: 374  
SOFTWARE: Perlman version 3.3  
SEQ ID NO 257  
SEQUENCE 257  
TYPE: RNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: siNA sense region  
NAME/REV: misc.featue  
LOCATION: (20) .. (21)  
US-10-661-060-257  
OTHER INFORMATION: n stands for thymidine

Query Match  
Best Local Similarity 52.6%; Score 19; Length 21,  
Matches 10; Conservative: Yes; Mismatches 0; Gaps 0;  
1337 TCGATGCTGTCAAGTTT 1395  
|||||  
I UUCACUCCUUCCAUUGUUU 19

CURRENT FILING DATE: 2004-06-03

PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining prior Application data removed - See file Wrapper or PAM.  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 258  
 LENGTH: 21  
 ORGANISM: Artificial Sequence  
 FEATURES:  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 NAME/KEY: misc feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 US-10-661-060-268  
 Query Match: 1.24; Score 19; DB 1; Length 21;  
 Best Local Similarity: 100.0%; Pred. No. 1.8e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 DB 19 ATTCCCTCTTGACAGAGG 442  
 19 ATTCCCTCTTGACAGAGG 1  
 RESULT 420  
 US Sequence 259; Application US/10681060  
 Publication No. US2005013155A1  
 GENERAL INFORMATION:  
 APPLICANT: McSwiggen, James  
 APPLICANT: Hasbani, Peter  
 TITLE OF INVENTION: Short Interfering Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (IMB04-372A)  
 CURRENT APPLICATION NUMBER: US/10/681,060  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See file Wrapper or PAM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 259  
 LENGTH: 21  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURES:  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

NAME/KEY: misc feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 US-10-661-060-259  
 Query Match: 1.24; Score 19; DB 1; Length 21;  
 Best Local Similarity: 100.0%; Pred. No. 1.8e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 DB 675 AGCGGCTCTTGCGCT 693  
 19 AGCGGCTCTTGCGCT 1  
 RESULT 421  
 US-10-661-060-260/c  
 Sequence 260; Application US/10681060  
 Publication No. US2005013155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sima Therapeutics, Inc.  
 APPLICANT: McSwiggen, James  
 APPLICANT: Hasbani, Peter  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (IMB04-372A)  
 CURRENT APPLICATION NUMBER: US/10/681,060  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 Remaining Prior Application data removed - See file Wrapper or PAM.  
 NUMBER OF SEQ ID NOS: 260  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 260  
 LENGTH: 21  
 ORGANISM: Artificial Sequence  
 FEATURES:  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 NAME/KEY: misc feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 US-10-661-060-260  
 Query Match: 1.24; Score 19; DB 1; Length 21;  
 Best Local Similarity: 100.0%; Pred. No. 1.8e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 DB 1337 TTGATCTGCTGACAGTT 1355  
 19 TTGATCTGCTGACAGTT 1

RESULT 422



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/ LOCATION: (20)-(20)
/ OTHER INFORMATION: n 16 a, c, g, or u
/ FEATURE: misc feature
/ LOCATION: (21)-(21)
/ OTHER INFORMATION: 3-3 attached terminal deoxybasic moiety
US-10-861-060-262
Query Match
Beat Local Similarity 78.3% Pval: No. 1.8e+02;
Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
QY 424 ATGCTCTTTCAGAGAGC 442
|||||:|||||
Db 1 AAGCCCTTTCAGAGAGC 19

RESULT 424
US-10-861-060-263
/ Sequence 263, Application US/10681060
/ Publication No. US20050137155A1
/ GENERAL INFORMATION:
/ APPLICANT: Sirna Therapeutics, Inc.
/ APPLICANT: Hasebri1, Peter
/ APPLICANT: Chowritz, Barak
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/162 (IMB004-372-A)
/ CURRENT APPLICATION NUMBER: US/10/861,060
CURRENT FILING DATE: 2004-05-03
/ PRIOR FILING DATE: 2003-10-31/10/898,311
/ PRIOR APPLICATION NUMBER: US 10/826,966
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 10/757,803
/ PRIOR FILING DATE: 2004-01-14/10/693,059
/ PRIOR APPLICATION NUMBER: US 10/720,448
/ PRIOR FILING DATE: 2003-11-24
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-05-23
/ PRIOR APPLICATION NUMBER: US/0503/05346
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: PCT/US03/05028
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US 11/698311
/ PRIOR FILING DATE: 2008-10-31/11/698311
/ PRIOR APPLICATION NUMBER: PCT/US04/13456
/ PRIOR FILING DATE: 2004-04-30
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ Software: Pcrehtml version 3.3
/ SBO ID NO 263
/ LENSE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
NAME/KEY: misc feature
/ LOCATION: (1)-(1)
/ OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety
/ FEATURE:
/ LOCATION: (3)-(3)
/ OTHER INFORMATION: 2'-deoxy-2'-fluoro
NAME/KEY: misc feature
/ LOCATION: (3)-(3)
/ OTHER INFORMATION: 2'-deoxy-2'-fluoro
NAME/KEY: misc feature
/ LOCATION: (8)-(12)
/ OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
/ FEATURE:

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/ NAME/KEY: misc feature
/ LOCATION: (14)-(14)
/ OTHER INFORMATION: 2'-deoxy-2'-fluoro
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (16)-(16)
/ OTHER INFORMATION: 2'-deoxy-2'-fluoro
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (18)-(18)
/ OTHER INFORMATION: 2'-deoxy-2'-fluoro
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (20)-(20)
/ OTHER INFORMATION: n stands for thymidine
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (21)-(21)
/ OTHER INFORMATION: 3-3 attached terminal deoxybasic moiety
US-10-861-060-263
Query Match
Beat Local Similarity 67.8% Pval: No. 1.8e+02;
Matches 12; Conservative 7; Mismatches 0; Indels 0; Gaps 0;
QY 675 AAGCGCTTTCAGAGAGC 693
|||||:|||||
Db 1 AAGCCCTTTCAGAGAGC 19

RESULT 425
US-10-861-060-264
/ Sequence 264, Application US/10681060
/ Publication No. US20050137155A1
/ GENERAL INFORMATION:
/ APPLICANT: Sirna Therapeutics, Inc.
/ APPLICANT: Hasebri1, Peter
/ APPLICANT: Chowritz, Barak
/ TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
/ FILE REFERENCE: 400/162 (IMB004-372-A)
/ CURRENT APPLICATION NUMBER: US/10/861,060
CURRENT FILING DATE: 2004-05-03
/ PRIOR FILING DATE: 2003-10-31/10/826,966
/ PRIOR APPLICATION NUMBER: US 10/757,803
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-11-24
/ PRIOR APPLICATION NUMBER: US 10/693,059
/ PRIOR FILING DATE: 2004-01-14
/ PRIOR APPLICATION NUMBER: US 10/720,448
/ PRIOR FILING DATE: 2003-11-24
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-10-23
/ PRIOR APPLICATION NUMBER: US/0503/05346
/ PRIOR FILING DATE: 2003-05-23
/ PRIOR APPLICATION NUMBER: PCT/US03/05028
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US 11/698311
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: PCT/US04/13456
/ PRIOR FILING DATE: 2004-04-30
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ Software: Pcrehtml version 3.3
/ SBO ID NO 264
/ LENSE: RNA
/ TYPE: RNA
/ LENGTH: 21
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
/ FEATURE:

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CURRENT FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US 10/699,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/824,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-04-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/699,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/699,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20/US03/05028  
 PRIOR APPLICATION NUMBER: 2003-02-20  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/699,311  
 PRIOR FILING DATE: 2003-10-31/US04/13456  
 PRIOR APPLICATION NUMBER: 2004-04-10  
 Remaining Prior Application date removed - see file wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SEQ ID NOS: 279  
 LENGTH: 21  
 TYPE: RNA  
 FUNCTION: RNA  
 OTHER INFORMATION: Description of Artificial Sequence: RNA sense region  
 FEATURE: **misc** feature  
 LOCATION: (1) - (1)  
 OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety  
 FEATURE: **misc** feature  
 LOCATION: (1) - (1)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: **misc** feature  
 LOCATION: (1) - (1)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: **misc** feature  
 LOCATION: (5) - (7)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: **misc** feature  
 LOCATION: (9) - (9)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: **misc** feature  
 LOCATION: (11) - (16)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: **misc** feature  
 LOCATION: (119) - (119)  
 OTHER INFORMATION: n stands for thymidine  
 FEATURE: **misc** feature  
 LOCATION: (121) - (121)  
 OTHER INFORMATION: 3'-3' attached terminal deoxybasic moiety  
 US 10-861-060-277  
 Query Match 1 1% Score 19 DB 1 Length 21:  
 Best Local Similarity 66.4% Pred. No. 1-6e+03  
 Machine 13: Consensitive 6 Mismatches 0 Indels 0 Gaps 0  
 391 TATCTCTGATGACCTTAC 409

DB  
 1 TATCTCTGATGACCTTAC 19  
 :|||:|||||:|||||  
 RESULT 439  
 US 10-861-060-277 Application US/10693060  
 Publication No. US2005013155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Hoechst, Inc.  
 APPLICANT: Hoechst, Inc.  
 APPLICANT: Hoechst, Inc.  
 TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/152 (06804-371-N)  
 CURRENT FILING DATE: 2004-06-03/US04/13456  
 PRIOR FILING DATE: 2004-06-03/US04/13456  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/824,966  
 PRIOR FILING DATE: 2004-04-16/US04/13456  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/699,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: 2003-02-20  
 PRIOR FILING DATE: 2003-10-31/US04/13456  
 PRIOR APPLICATION NUMBER: 2004-04-10  
 Remaining Prior Application date removed - see file wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SEQ ID NOS: 279  
 LENGTH: 21  
 TYPE: RNA  
 FUNCTION: RNA  
 OTHER INFORMATION: Description of Artificial Sequence: RNA sense region  
 FEATURE: **misc** feature  
 LOCATION: (1) - (1)  
 OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety  
 FEATURE: **misc** feature  
 LOCATION: (1) - (1)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: **misc** feature  
 LOCATION: (5) - (7)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: **misc** feature  
 LOCATION: (9) - (9)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: **misc** feature  
 LOCATION: (11) - (16)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: **misc** feature  
 LOCATION: (119) - (119)  
 OTHER INFORMATION: n stands for thymidine  
 FEATURE: **misc** feature  
 LOCATION: (121) - (121)  
 OTHER INFORMATION: 3'-3' attached terminal deoxybasic moiety  
 US 10-861-060-277  
 Query Match 1 1% Score 19 DB 1 Length 21:  
 Best Local Similarity 66.4% Pred. No. 1-6e+03  
 Machine 13: Consensitive 6 Mismatches 0 Indels 0 Gaps 0  
 391 TATCTCTGATGACCTTAC 409



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1 prior FILING DATE: 2003-10-23
2 prior APPLICATION NUMBER: US 2004/044,853
3 prior PUBLICATION NUMBER: US 2004/018,811
4 prior APPLICATION NUMBER: PCT/US03/05446
5 prior FILING DATE: 2003-02-20
6 prior APPLICATION NUMBER: PCT/US03/05028
7 prior PUBLICATION NUMBER: US 2004/018,811
8 prior APPLICATION NUMBER: US 10/698311
9 prior FILING DATE: 2003-10-31
10 prior APPLICATION NUMBER: PCT/US04/13456
11 Resulting prior application data removed - See file Wrapper or PALM.
12 NUMBER OF SEQ ID NOS: 314
13 SOFTWARE: Preclim version 3.3
14 SEQ ID NO: 180
15 SEQ ID NO: 218
16 TYPE: RNA
17 ORGANISM: Artificial Sequence
18 FEATURE:
19 DESCRIPTION: Description of Artificial Sequence: glnu gene region
20 FEATURE:
21 LOCATION: (1)..(11)
22 NAME/KEY: misc feature
23 OTHER INFORMATION: 5'-3' attached terminal deoxythiatic moiety
24 FEATURE:
25 LOCATION: (1)..(13)
26 NAME/KEY: misc feature
27 OTHER INFORMATION: 2'-deoxy-2'-fluoro
28 FEATURE:
29 LOCATION: (4)..(5)
30 NAME/KEY: misc feature
31 OTHER INFORMATION: 2'-O-methyl
32 FEATURE:
33 LOCATION: (6)..(9)
34 NAME/KEY: misc feature
35 OTHER INFORMATION: 2'-deoxy-2'-fluoro
36 FEATURE:
37 LOCATION: (10)..(10)
38 NAME/KEY: misc feature
39 OTHER INFORMATION: 2'-O-methyl
40 FEATURE:
41 LOCATION: (11)..(12)
42 NAME/KEY: misc feature
43 OTHER INFORMATION: 2'-deoxy-2'-fluoro
44 FEATURE:
45 LOCATION: (13)..(14)
46 NAME/KEY: misc feature
47 OTHER INFORMATION: 2'-O-methyl
48 FEATURE:
49 LOCATION: (15)..(15)
50 NAME/KEY: misc feature
51 OTHER INFORMATION: 2'-deoxy-2'-fluoro
52 FEATURE:
53 LOCATION: (16)..(16)
54 NAME/KEY: misc feature
55 OTHER INFORMATION: 2'-O-methyl
56 FEATURE:
57 LOCATION: (17)..(19)
58 NAME/KEY: misc feature
59 OTHER INFORMATION: 2'-deoxy-2'-fluoro
60 FEATURE:
61 LOCATION: (20)..(21)
62 NAME/KEY: misc feature
63 OTHER INFORMATION: n stands for thymidine
64 FEATURE:
65 LOCATION: (21)..(21)
66 NAME/KEY: misc feature
67 OTHER INFORMATION: 3'-3' attached terminal deoxythiatic moiety
68 FEATURE:
69 LOCATION: (22)..(22)
70 NAME/KEY: misc feature
71 OTHER INFORMATION: 3'-3' attached terminal deoxythiatic moiety
72 3'-10-861-060-280

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Query Match      1, 24; Score 19; DB 1; Length 21;
Base Local Similarity 52.61; Pred. N:1.8e+02
Matches 10; Conservative 5; Mismatched 0; Indels 0;
Q#      1337 TCGACATCCGATACGTT 1355
      |||||:|||||:|||||:
Db      1 UOCCACCCACACACACCC 19

RESULT 442
US-10-661-060-281/c
Publication No. US20050137159A1
GENERAL INFORMATION:
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: HGSB, Inc.
APPLICANT: HGSB, Inc.
APPLICANT: Choceric, Sherec
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CURRENT FILING DATE: 2004-06-03
PRICOR APPLICATION NUMBER: US 10/659,311
PRICOR FILING DATE: 2004-04-16
PRICOR APPLICATION NUMBER: US 10/826,966
PRICOR FILING DATE: 2004-04-16
PRICOR APPLICATION NUMBER: US 10/757,803
PRICOR FILING DATE: 2003-11-24
PRICOR APPLICATION NUMBER: US 10/750,448
PRICOR FILING DATE: 2003-11-24
PRICOR APPLICATION NUMBER: US 10/659,059
PRICOR FILING DATE: 2003-11-24
PRICOR APPLICATION NUMBER: US 10/444,953
PRICOR FILING DATE: 2003-05-23
PRICOR APPLICATION NUMBER: PCT/US03/05346
PRICOR FILING DATE: 2003-02-20
PRICOR APPLICATION NUMBER: PCT/US03/05028
PRICOR FILING DATE: 2003-02-20
PRICOR APPLICATION NUMBER: US 10/659311
PRICOR FILING DATE: 2003-10-31
PRICOR APPLICATION NUMBER: US 10/659311
PRICOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBERS OF SEQ ID NOS: 374
SOFTWARE: Recombi version 3.3
SEQ ID NOS: 1-374
LENGTH: 21
TYPE: RNA
SEQUENCE:
SEQUENCE INFORMATION: Description of Artificial Sequence: siRNA antisense region
FEATURES:
NAME/KEY: misc_feature
OTHER INFORMATION: 2'-O-methyl]
FEATURES:
NAME/KEY: misc_feature
OTHER INFORMATION: 2'-deoxy-2'-fluoro
LOCATION: (12)..(13)
NAME/KEY: misc_feature
OTHER INFORMATION: 2'-O-methyl]
FEATURES:
NAME/KEY: misc_feature
OTHER INFORMATION: (8)..(10)
NAME/KEY: misc_feature
OTHER INFORMATION: 2'-deoxy-2'-fluoro
LOCATION: (11)..(11)
OTHER INFORMATION: 2'-O-methyl]

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1 PRIOR FILING DATE: 2003-11-24
2 PRIOR APPLICATION NUMBER: US 10/693,059
3 PRIOR FILING DATE: 2003-10-23 /10/444,853
4 PRIOR FILING DATE: 2003-05-23 /10/444,853
5 PRIOR APPLICATION NUMBER: PCT/US03/05346
6 PRIOR FILING DATE: 2003-02-20 /00/03/05078
7 PRIOR FILING DATE: 2003-02-20 /00/03/05078
8 PRIOR APPLICATION NUMBER: US 10/698311
9 PRIOR FILING DATE: 2003-10-31 /00/04/13456
10 PRIOR FILING DATE: 2004-04-30
11 Remaining prior application data removed - See file Wrapper or PALM.
12 NUMBER OF SEQ ID NOS: 374
13 SEQ ID NO 28
14 SEQ ID NO 284
15 LENGTH: 21
16 TYPE: RNA
17 ORGANISM: Artificial Sequence
18 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
19 FEATURE:
20 LOCATION: (1) - (7)
21 FEATURE: misc feature
22 OTHER INFORMATION: 2'-O-methyl
23 LOCATION: (1) - (7)
24 FEATURE: misc feature
25 LOCATION: (3) - (3)
26 OTHER INFORMATION: 2'-deoxy-2'-fluoro
27 FEATURE: misc feature
28 LOCATION: (4) - (4)
29 OTHER INFORMATION: 2'-O-methyl
30 FEATURE: misc feature
31 LOCATION: (5) - (5)
32 OTHER INFORMATION: 2'-deoxy-2'-fluoro
33 FEATURE: misc feature
34 LOCATION: (6) - (6)
35 OTHER INFORMATION: 2'-O-methyl
36 FEATURE: misc feature
37 LOCATION: (7) - (7)
38 OTHER INFORMATION: 2'-deoxy-2'-fluoro
39 FEATURE: misc feature
40 LOCATION: (8) - (12)
41 OTHER INFORMATION: 2'-O-methyl
42 FEATURE: misc feature
43 LOCATION: (13) - (16)
44 OTHER INFORMATION: 2'-deoxy-2'-fluoro
45 FEATURE: misc feature
46 LOCATION: (17) - (17)
47 OTHER INFORMATION: 2'-O-methyl
48 FEATURE: misc feature
49 LOCATION: (18) - (19)
50 OTHER INFORMATION: 2'-deoxy-2'-fluoro
51 FEATURE: misc feature
52 LOCATION: (20) - (20)
53 OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage
54 FEATURE: misc feature
55 LOCATION: (20) - (21)
56 OTHER INFORMATION: n stands for thymine
57 US-10-861-060-283
58 Query Match 1.24; Score 19; DB 1; Length 21.
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LOCATION: (11)..(14)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: m1ac\_feature  
 LOCATION: (15)..(16)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: m1ac\_feature  
 LOCATION: (17)..(19)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: m1ac\_feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage  
 NAME/KEY: m1ac\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 US-10-661-060-284

Query Match 1.24; Score 19; DB 1; Length 21;  
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1337 TTTACCTGCTGCAAGTTT 1355  
 DB 19 TTTACCTGCTGCAAGTTT 1

RESULT 416  
 US-10-661-060-285  
 Sequence 285, Application US/10661060  
 Publication No. US20050137155A1  
 GENERAL INFORMATION: Schering-Plough, Inc.  
 APPLICANT: Schering-Plough, Inc.  
 APPLICANT: McLaughlin, James  
 APPLICANT: Heberli, Peter  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
 CURRENT FILING DATE: 2004-04-16  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/626,966  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-16  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 285  
 LENGTH: 21  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA sense region  
 FEATURE: m1ac\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine

NAME/KEY: m1ac\_feature  
 LOCATION: (11)..(11)  
 OTHER INFORMATION: 5'-3' attached terminal deoxyribose moiety  
 NAME/KEY: m1ac\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 NAME/KEY: m1ac\_feature  
 LOCATION: (21)..(21)  
 OTHER INFORMATION: 3'-3' attached terminal deoxyribose moiety  
 US-10-661-060-285

Query Match 1.24; Score 19; DB 1; Length 21;  
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 391 TATCTGCTGCAAGTTTC 409  
 DB 1 TATCTGCTGCAAGTTTC 19

RESULT 447  
 US-10-661-060-286  
 Sequence 286, Application US/10661060  
 Publication No. US20050137155A1  
 GENERAL INFORMATION: Schering-Plough, Inc.  
 APPLICANT: Schering-Plough, Inc.  
 APPLICANT: McLaughlin, James  
 APPLICANT: Heberli, Peter  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
 CURRENT FILING DATE: 2004-04-16  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/626,966  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-16  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 286  
 LENGTH: 21  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA sense region  
 FEATURE: m1ac\_feature  
 LOCATION: (11)..(11)  
 OTHER INFORMATION: 5'-3' attached terminal deoxyribose moiety  
 NAME/KEY: m1ac\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine

```

FEATURE: 1
NAME/KEY: a1ac_feature
DESCRIPTION: 1-3 attached terminal deoxyribose moiety
OTHER INFORMATION: 3'-3 attached terminal deoxyribose moiety
US-10-661-060-286

Query Match
Best Local Similarity 76.3% Pval 0.1, e=0.02
Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0

Db 1 FAMCCUCUGAGGAGAGG 442
1 FAMCCUCUGAGGAGAGG 19

RESULT 449
US-10-661-060-287
Sequence 287, Application US/10661060
Publication No. US2005017125A1
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Mesobion, Inc.
APPLICANT: Mesobion, Inc.
TITLE OF INVENTION: RNA Interfering Mediated Treatment of Parkinson Disease
FILE REFERENCE: 400/162 (IMB004-372A)
CURRENT FILING DATE: 2004-08-03
PRIOR APPLICATION NUMBER: US 10/698,911
PRIOR FILING DATE: 2003-10-31/826,966
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-04-16/826,966
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-14/826,966
PRIOR APPLICATION NUMBER: US 10/699,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-03-20
PRIOR APPLICATION NUMBER: PCT/US03/05946
PRIOR FILING DATE: 2003-03-20
PRIOR APPLICATION NUMBER: PCT/US03/05946
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Pilot Application data removed. See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: Patent version 3.3
SEQ ID NO 287
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE: 1
NAME/KEY: a1ac_feature
DESCRIPTION: 1-3 attached terminal deoxyribose moiety
OTHER INFORMATION: 3'-3 attached terminal deoxyribose moiety
US-10-661-060-287

Query Match
1.2% Score 19; DB 1; Length 21;
1.2% Score 19; DB 1; Length 21;

```

```

Oy      675 AACAGCGCTTCGTTGGTGT 693          Prod. No.: 1,8e+02; Indels 0; Gaps 0
Matches 12; Conservative 7; Mismatches 0;
Db       1 AGCAGCCATCCTTGACGCTC 19
RESULT 449
US-10-861-060-288 application 1B/10K61060
Publication No. US20050137155M1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
INVENTOR: Robert A. Haeberle, et al
APPLICANT: Haeberle, Robert
TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease
FILE REFERENCE: 400/162 P(embryo)-372-A1
CURRENT APPLICATION NUMBER: US/10/651,060
PRIORITY FILING DATE: 2003-10-31/06/599,311
PRIOR APPLICATION NUMBER: US/10/659,311
PRIOR FILING DATE: 2003-10-31/06/599,311
PRIOR APPLICATION NUMBER: US 10/756,965
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,483
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/760,448
PRIOR FILING DATE: 2003-10-23/06/599,059
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-02-20/05/546
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20/05/546
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31/06/599,311
PRIOR APPLICATION NUMBER: US 10/136,911
PRIOR FILING DATE: 2003-10-31/06/599,311
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2003-10-31/06/599,311
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: seqman version 3.3
SEQ ID NO: 1
LENGTH: 210
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
FEATURE:
NAME/KEY: nuc_feature
VALUE: CAGGCTTCGTTGGTGT
OTHER INFORMATION: 5'-3' attached terminal deoxyribsic moiety
FEATURE:
NAME/KEY: nuc_feature
VALUE: CAGGCTTCGTTGGTGT
OTHER INFORMATION: n strands for tymsidine
FEATURE:
NAME/KEY: nuc_feature
VALUE: CAGGCTTCGTTGGTGT
OTHER INFORMATION: 3'-3' attached terminal deoxyribasic moiety
US-10-861-060-288
Query Match 1 2% Score 19; DB 1; Length 21;
Base Local Similarity 52.4%; Pred. No. 1,8e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0
1 TCAAACTCATCAAACTCAT 19

```













LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 FEATURE: CC1=CC=CC=C1  
 NAME/KEY: misc\_feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: Phosphorochlorate 3'-internucleotide linkage  
 US-10-861-060-297

Query Match  
 Best Match Similarity: 1.24; Score 19; DB 1; Length 21;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Db 19 CTTTCTGAAAGGACGCG 343  
 CTTTCTGAAAGGACGCG 1

RESULT 459  
 US-10-861-060-299/c  
 Sequence 299, Application US/10681060  
 Publication No: US2005013155A1  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Meebelle, Peter  
 APPLICANT: Meebelle, Peter  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siRNA)  
 CURRENT PRIORITY: 400/452 MEMB04-572-A1  
 CURRENT FILING DATE: 2004-06-03/0601,060  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-31/0/826,966  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2003-10-23/0/444,853  
 PRIOR APPLICATION NUMBER: PCT/US03/050346  
 PRIOR FILING DATE: 2003-02-20/US03/05038  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2004-04-16  
 Remaining Prior Application data removed - see file wrapper or PALM.  
 US-10-861-060-299/c  
 SEQ ID NO 298  
 LENGTH: 21  
 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence: siRNA antisense region  
 NAME/KEY: misc\_feature  
 LOCATION: (1)..(2)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc\_feature  
 LOCATION: (3)..(6)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/KEY: misc\_feature  
 LOCATION: (7)..(9)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE:

NAME/KEY: misc\_feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 FEATURE: CC1=CC=CC=C1  
 NAME/KEY: misc\_feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: Phosphorochlorate 3'-internucleotide linkage  
 US-10-861-060-297  
 Query Match  
 Best Match Similarity: 1.24; Score 19; DB 1; Length 21;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Db 19 CTTTCTGAAAGGACGCG 408  
 CTTTCTGAAAGGACGCG 1  
 RESULT 460  
 US-10-861-060-299/c  
 Sequence 299, Application US/10681060  
 Publication No: US2005013155A1  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Meebelle, Peter  
 APPLICANT: Meebelle, Peter  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siRNA)  
 CURRENT PRIORITY: 400/452 MEMB04-572-A1  
 CURRENT FILING DATE: 2004-06-03/0601,060  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-31/0/826,966  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-23/0/444,853  
 PRIOR APPLICATION NUMBER: PCT/US03/050346  
 PRIOR FILING DATE: 2003-02-20/US03/05038  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2004-04-16  
 Remaining Prior Application data removed - see file wrapper or PALM.  
 US-10-861-060-299/c  
 SEQ ID NO 298  
 LENGTH: 21  
 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence: siRNA antisense region  
 NAME/KEY: misc\_feature  
 LOCATION: (1)..(2)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc\_feature  
 LOCATION: (3)..(6)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/KEY: misc\_feature  
 LOCATION: (7)..(9)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE:

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Query March 07, 2006 1:24; Score 13; DB 1; Length 21;
Base Local Similarity 100.0%; Read No. 1,8e+00;
Matches 13; Complementary 0; Mismatched 0; Gaps 0;
Cv 391 TATCCCTCGTAACTCTGAA 409
Db 19 TATCCCTCGTAACTCTGAA 1

RESULT 461
US100501371554I-1 460-300/C
Sequence 100. Application US/10661060
Publication No. US200501371554I
GENERAL INFORMATION:
APPLICANT: NCS&igen, James
INVENTOR: NCS&igen, James
APPLICANT: Hoechst, Bharat
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: Short Interfering Ribonucleic Acid (siRNA)
FILE REFERENCES: 400;162 WMBB04-372-A)
CURRENT APPLICATION NUMBER: US/10651,060
PRIORITY DATE: 2003-10-31
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/10,626,466
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US/10,757,603
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US/10,720,448
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/10,693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US/10,444,453
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US/10,902,520
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US/10,693,811
PRIOR FILING DATE: 2003-10-31
PRIOR FILING DATE: 08/04/13456
PRIOR FILING DATE: 08/09/430
Remaining Of Seq ID Nos: 374
NUMBER OF SEQ ID NOS: 374
SBO ID NO: 300
LENGTH: 21
TYPE: RNA
LOCUS: RN Artificial Sequence
FEATURE:
FEATURE: misc feature
LOCATION: (1)..(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc_feature
LOCATION: (10)..(15)
OTHER INFORMATION: 2'-deoxy
FEATURE: misc_feature
LOCATION: (16)..(16)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc_feature
LOCATION: (17)..(17)
OTHER INFORMATION: 2'-deoxy
FEATURE: misc_feature
LOCATION: (18)..(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro

```





LOCATION: (16) - (18)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: alc feature  
 NAME/KEY: alc feature  
 LOCATION: (19) - (19)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: alc feature  
 NAME/KEY: alc feature  
 LOCATION: (20) - (21)  
 OTHER INFORMATION: n stands for thymidine  
 FEATURE: alc feature  
 NAME/KEY: alc feature  
 LOCATION: (20) - (20)  
 OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage  
 US-10-861-060-303  
 Query Match 1.28; Score 19; DB 1; Length 21;  
 Seed Local Similarity 100.0%; Pval. No. 1.8e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Oy 695 TGAATTTGCTGTAATTT 113  
 Db 19 TGAATTTGCTGTAATTT 1

RESULT 465  
 US-10-861-060-304/C  
 Sequence 325; Application US/10681060  
 Publication No. US2005037155A1  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Heberlein, Peter  
 APPLICANT: Chovvitz, Shiret  
 TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (IMB004-372-A)  
 CURRENT APPLICATION NUMBER: US/10/681,060  
 CURRENT FILING DATE: 2004-06-10/681,060  
 PRIOR FILING DATE: 2003-10-31/681,060  
 PRIOR APPLICATION NUMBER: US/10/826,966  
 PRIOR FILING DATE: 2004-04-16/10/757,803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US/10/720,448  
 PRIOR FILING DATE: 2003-11-24/10/693,059  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US/10/44,853  
 PRIOR FILING DATE: 2003-05-23/0603/05346  
 PRIOR FILING DATE: 2003-02-20/05028  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20/10/698311  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-16  
 NUMBER OF SEQ ID NOS: 37; data removed - See file wrapper or PAM.  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO 14  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 ORIGIN: INFORMATION: Description of Artificial Sequence: siRN antisense region  
 FEATURE:  
 NAME/KEY: alc feature  
 LOCATION: (1) - (1)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE:

NAME/KEY: alc feature  
 LOCATION: (4) - (4)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: alc feature  
 LOCATION: (5) - (5)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/KEY: alc feature  
 LOCATION: (6) - (7)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: alc feature  
 LOCATION: (8) - (8)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/KEY: alc feature  
 LOCATION: (10) - (10)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: alc feature  
 LOCATION: (11) - (14)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/KEY: alc feature  
 LOCATION: (15) - (16)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: alc feature  
 LOCATION: (17) - (19)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/KEY: alc feature  
 LOCATION: (20) - (21)  
 OTHER INFORMATION: n stands for thymidine  
 NAME/KEY: alc feature  
 LOCATION: (20) - (20)  
 OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage  
 US-10-861-060-304  
 Query Match 1.28; Score 19; DB 1; Length 21;  
 Seed Local Similarity 100.0%; Pval. No. 1.8e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Oy 1337 TGAATTTGCTGTAATTT 135  
 Db 19 TGAATTTGCTGTAATTT 1

RESULT 466  
 US-10-861-060-305  
 Sequence 325; Application US/10681060  
 Publication No. US2005037155A1  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Heberlein, Peter  
 APPLICANT: Chovvitz, Shiret  
 TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (IMB004-372-A)  
 CURRENT APPLICATION NUMBER: US/10/681,060  
 CURRENT FILING DATE: 2004-06-10/681,060  
 PRIOR FILING DATE: 2003-10-31/681,060  
 PRIOR APPLICATION NUMBER: US/10/826,966  
 PRIOR FILING DATE: 2004-04-16/10/757,803  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: US/10/720,448  
 PRIOR FILING DATE: 2003-11-24/10/693,059  
 PRIOR APPLICATION NUMBER: US/10/44,853

[illegible]





APPLICANT: Sirna Therapeutics, Inc.  
 APPLICANT: MMSysgen, Japan  
 APPLICANT: Choveris, Bharat  
 APPLICANT: Choveris, Bharat  
 TITLE OF INVENTION: Short Interfering Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US/10/651,060  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 308  
 LENGTH: 21  
 ORIGIN: Artificial Sequence  
 FEATURES:  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA sense region  
 NAME/KEY: misc Feature  
 LOCATION: (1)-(12)  
 NAME/KEY: misc Feature  
 LOCATION: 2'-O-methyl  
 NAME/KEY: misc Feature  
 LOCATION: (1)-(11)  
 NAME/KEY: misc Feature  
 LOCATION: 5'-3' attached terminal deoxyriboasic moiety  
 NAME/KEY: misc Feature  
 LOCATION: (3)-(13)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc Feature  
 LOCATION: (4)-(14)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc Feature  
 LOCATION: (5)-(15)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc Feature  
 LOCATION: (11)-(19)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc Feature  
 LOCATION: (20)-(21)  
 OTHER INFORMATION: n stands for thymidine  
 NAME/KEY: misc Feature  
 LOCATION: (21)-(21)  
 OTHER INFORMATION: 3'-J- attached terminal deoxyriboasic moiety  
 US-10-651-060-308  
 Query Match 1.24; Score 19; DB 1; Length 21;

Best Local Similarity 78.9% Prod No. 1.8e+02;  
 Matches: 15; Complement 4; Mismatch 0; Indels 0;  
 Qy 424 AATCCCTTCAGAGAGG 442  
 1 AATCCCTTCAGAGAGG 19  
 DB 1 AATCCCTTCAGAGAGG 19  
 RESULT 410  
 US/10/651,060-308  
 Sequence 309, Application US/10661060  
 Publication No. US20050371551  
 GENERAL INFORMATION: Description of Artificial Sequence: siRNA sense region  
 NAME/KEY: misc Feature  
 LOCATION: (1)-(12)  
 NAME/KEY: misc Feature  
 LOCATION: 2'-O-methyl  
 NAME/KEY: misc Feature  
 LOCATION: (1)-(11)  
 NAME/KEY: misc Feature  
 LOCATION: 5'-3' attached terminal deoxyriboasic moiety  
 NAME/KEY: misc Feature  
 LOCATION: (3)-(13)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc Feature  
 LOCATION: (4)-(14)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc Feature  
 LOCATION: (5)-(15)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc Feature  
 LOCATION: (11)-(19)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc Feature  
 LOCATION: (20)-(21)  
 OTHER INFORMATION: n stands for thymidine  
 NAME/KEY: misc Feature  
 LOCATION: (21)-(21)  
 OTHER INFORMATION: 3'-J- attached terminal deoxyriboasic moiety  
 US-10-651-060-308  
 Query Match 1.24; Score 19; DB 1; Length 21;







APPLICANT: Sirna Therapeutics, Inc.  
 APPLICANT: Mochlygen, James  
 APPLICANT: Mochlygen, James  
 APPLICANT: Mochlygen, James  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US/10/661,060  
 CURRENT FILING DATE: 2004-06-03/05/028  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See file Wrapper or PML.  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 314  
 LENGTH: 21  
 ORGANISM: Artificial Sequence  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 NAME/KEY: misc feature  
 LOCATION: (1)..(12)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc feature  
 LOCATION: (13)..(16)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc feature  
 LOCATION: (17)..(19)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc feature  
 LOCATION: (10)..(10)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc feature  
 LOCATION: (11)..(11)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc feature  
 LOCATION: (12)..(14)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc feature  
 LOCATION: (15)..(15)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc feature  
 LOCATION: (16)..(16)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc feature  
 LOCATION: (17)..(17)

OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc feature  
 LOCATION: (18)..(18)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc feature  
 LOCATION: (19)..(19)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 NAME/KEY: misc feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage  
 US-10-661-060-314  
 Query Match 1.2% Score 19; DB 1; Length 21;  
 Best Local Similarity 100.0%; Pred. No. 1; seq=02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0;  
 Gaps 0.  
 DB 390 ATATGCTGCTGATCTCTCA 408  
 19 ATATGCTGCTGATCTCTCA 1  
 RESULT 476  
 US-10-661-060-315/C  
 Publication No. US20050137555A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirna Therapeutics, Inc.  
 APPLICANT: Mochlygen, James  
 APPLICANT: Mochlygen, James  
 APPLICANT: Mochlygen, James  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US/10/661,060  
 CURRENT FILING DATE: 2004-06-03/05/028  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See file Wrapper or PML.  
 NUMBER OF SEQ IDS: 374  
 SOFTWARE: Patent version 3.3  
 SEQ ID NO 315  
 LENGTH: 21  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 NAME/KEY: misc feature















```

APPLICANT: Habschili, Peter
APPLICANT: Chovvita, Bharat
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/162 (HNB04-312-2)
CURRENT APPLICATION NUMBER: US/10/861,060
PRIOR APPLICATION NUMBER: US/10/699,111
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/10/886,966
PRIOR APPLICATION NUMBER: US/10/757,103
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US/10/720,448
PRIOR FILING DATE: 2003-11-04
PRIOR APPLICATION NUMBER: US/10/693,059
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/12456
PRIOR FILING DATE: 2003-10-31
PRIOR FILING DATE: 2004-04-30
NUMBER OF SEQ ID NOS: 374
SOFTWARE: Perlman version 3.3
SEQ ID NO 126
SEQUENCE 126
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
NAME/TEXT: misc feature
LOCATION: (1)..(1)
OTHER INFORMATION: 5'-3' attached terminal deoxyribsic moiety
NAME/TEXT: misc feature
LOCATION: (20)..(21)
OTHER INFORMATION: n strands for cytidine
NAME/TEXT: misc feature
LOCATION: (21)..(21)
OTHER INFORMATION: 3'-3' attached terminal deoxyribsic moiety
US-10-861-060-326
Query Match 1.28; Score 19 / DB 1; Length 21;
Best Local Similarity 57.9%; Pred. No. 1.8e+02;
Matches 11; Conservative 8; Mismatches 0; Indels 0; Gaps 0;
694 GGAGATTTCGGTCAAA 712
|||||.....|||
1 GGGAGGAGGCGCCACCA 19
RESULT 488
US-10-861-060-327
Publication No. US2005013155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Habschili, Peter
APPLICANT: Chovvita, Bharat
TITLE OF INVENTION: RNA Interfering Mediated Treatment of Parkinson Disease Using siNA
FILE REFERENCE: 400/162 (HNB04-312-2)
CURRENT APPLICATION NUMBER: US/10/861,060
CURRENT FILING DATE: 2004-06-03

```

[illegible]



```

? TYPE: RNA
? ORGANISM: Artificial Sequence
? FEATURES:
? /CDS=1..1000
? /COMMENT=Description of Artificial Sequence: silk antitense
region
? /FEATURES:
? /NAME/KEY: misc_feature
? /LOCATION=30..(21)
? /ORIGIN=
? /COMBINATION=n strands for tyramine
? /PATTERN=
? /NAME/KEY: misc_feature
? /LOCATION=30..(26)
? /ORIGIN=
? /COMBINATION=phosphorothionate 3'-internucleotide linkage
? /-30-361-066-330

```

```

RESULT 494
US-10-861-060-33/c
Sequence 334: Application US/10661060
GENERAL INFORMATION:
APPLICANT: Astra Therapeutic, Inc.
APPLICANT: Medigen, James
APPLICANT: Chovvita, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
Nucleic Acid (RNAi)
CURRENT APPLICATION NUMBER: US/10/861,060
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-07-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Prior Application data removed - See File Wrapper or PAM.
SOFTWARE: PatentIn version 3.3
SRO ID NO 313
LENGTH: 21
ORIGIN: Artificial Sequence
FEATURE: Description of Artificial Sequence: siNA antisense region
NAME/KEY: misc feature
LOCATION: (20)-(31)
OTHER INFORMATION: n stands for thymidine
NAME/KEY: misc feature
LOCATION: (20)-(30)
OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage
US-10-861-060-33
Query Match: 1.2%; Score 19; DB 1; Length 21;
Best Local Similarity: 100.0%; Pred. No. 66+0; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 0;
DB 19 GIGANTYTCGCTTGGCT 693

```

```

RESULT 495
US-10-861-060-33/c
Sequence 334: Application US/10661060
GENERAL INFORMATION:
APPLICANT: Astra Therapeutic, Inc.
APPLICANT: Medigen, James
APPLICANT: Chovvita, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
Nucleic Acid (RNAi)
CURRENT APPLICATION NUMBER: US/10/861,060
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-07-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Prior Application data removed - See File Wrapper or PAM.
SOFTWARE: PatentIn version 3.3
SRO ID NO 314
LENGTH: 21
ORIGIN: Artificial Sequence
FEATURE: Description of Artificial Sequence: siNA antisense region
NAME/KEY: misc feature
LOCATION: (20)-(31)
OTHER INFORMATION: n stands for thymidine
NAME/KEY: misc feature
LOCATION: (20)-(30)
OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage
US-10-861-060-334
Query Match: 1.2%; Score 19; DB 1; Length 21;
Best Local Similarity: 100.0%; Pred. No. 1,86+0; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 0;
DB 19 GIGANTYTCGCTTGGCT 712

```











```

NAME/KEY: misc_feature
LOCATION: (6)
OTHER INFORMATION: 2'-O-methyl
FEATURE:
NAME/KEY: misc_feature
LOCATION: (8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
NAME/KEY: misc_feature
LOCATION: (9)
OTHER INFORMATION: 2'-O-methyl
FEATURE:
NAME/KEY: misc_feature
LOCATION: (10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
NAME/KEY: misc_feature
LOCATION: (11)
OTHER INFORMATION: 2'-O-methyl
FEATURE:
NAME/KEY: misc_feature
LOCATION: (15)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
NAME/KEY: misc_feature
LOCATION: (18)
OTHER INFORMATION: 2'-O-methyl
FEATURE:
NAME/KEY: misc_feature
LOCATION: (19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
NAME/KEY: misc_feature
LOCATION: (20)
OTHER INFORMATION: n stands for thymidine
FEATURE:
NAME/KEY: misc_feature
LOCATION: (21)
OTHER INFORMATION: 3'-3' attached terminal deoxyabasic moiety
US-10-861-060-342

Query Match
Query Match Statistically 1.24; Score 19; DB 1; Length 21;
Matched 37; Conservative 100%; Pval No. 1Ee+02; Indexes 0; Gaps 0;
DB 19 OTMOTTTTGGGCTTCA 1

SEQUENCE 534
US-10-861-60-343/c
Sequence 343, Application DB/10661060
Publication No. US705013715SAL
APPLICANT: Genzyme Corporation Inc.
INVENTOR: Chavakis, Bharat
APPLICANT: Novartisgen, James
APPLICANT: Hebebrandt, Peter
CURRENT APPLICATION NUMBER: US 10/651,060
FILE REFERENCE: 400/162 (MEMB04-372-N)
PRIORITY APPLICATION NUMBER: US 10/599,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/626,966
PRIOR APPLICATION NUMBER: US 10/635,965
PRIOR APPLICATION NUMBER: US 10/075,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR APPLICATION NUMBER: US 10/643,079

```

PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-22/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20/698311  
 PRIOR FILING DATE: 2003-10-21/10/698311  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Recombin version 3.3  
 SEQ ID NO 343  
 LOCUS: 311  
 TYPE: RNA  
 ORIGIN: Artificial Sequence  
 FEATURE: Description of Artificial Sequence: siRNA antisense region  
 NAME/KEY: misc\_Feature  
 LOCATION: (1)..(1)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc\_Feature  
 LOCATION: (1)..(1)  
 OTHER INFORMATION: 5'-3' attached terminal deoxyriphasic moiety  
 NAME/KEY: misc\_Feature  
 LOCATION: (2)..(3)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc\_Feature  
 LOCATION: (4)..(7)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc\_Feature  
 LOCATION: (8)..(19)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc\_Feature  
 LOCATION: (10)..(10)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc\_Feature  
 LOCATION: (11)..(11)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc\_Feature  
 LOCATION: (12)..(15)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc\_Feature  
 LOCATION: (16)..(18)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc\_Feature  
 LOCATION: (19)..(19)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc\_Feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 NAME/KEY: misc\_Feature  
 LOCATION: (21)..(21)  
 OTHER INFORMATION: 3'-3' attached terminal deoxyriphasic moiety  
 US-10-861-060-343

QY 695 TOTAL/PROB/SCD/STAT 713  
 DB 19 TOTAL/PROB/SCD/STAT 1  
 RESULT 505  
 US-10-861-060-344/c  
 Sequence 344, Application US/10661060  
 Publication Number: US/2004/017155A1  
 Applicant: Sirta Therapeutics, Inc.  
 INVENTOR: Michael J. Baird  
 APPLICANT: Michael J. Baird  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE NUMBER/INVENTION NUMBER: US/10/681,060  
 CURRENT FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/698311  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: Recombin version 3.3  
 SEQ ID NO 344  
 LENGTH: 21  
 TYPE: RNA  
 ORIGIN: Artificial Sequence  
 FEATURE: Description of Artificial Sequence: siRNA antisense region  
 NAME/KEY: misc\_Feature  
 LOCATION: (1)..(3)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc\_Feature  
 LOCATION: (4)..(11)  
 OTHER INFORMATION: 5'-3' attached terminal deoxyriphasic moiety  
 NAME/KEY: misc\_Feature  
 LOCATION: (12)..(14)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc\_Feature  
 LOCATION: (15)..(15)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc\_Feature  
 LOCATION: (16)..(17)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 NAME/KEY: misc\_Feature  
 LOCATION: (18)..(19)  
 OTHER INFORMATION: 2'-O-methyl  
 NAME/KEY: misc\_Feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: 3'-3' attached terminal deoxyriphasic moiety  
 US-10-861-060-343

Query Match 1 24; Score 19; Dn 1; Length 21;  
 Identical 19; Mismatch 0; Indels 0; Gaps 0;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0;

```

FEATURE:
LOC/KEY: nlec_feature
LOCATION (1): 1
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
LOC/KEY: nlec_feature
LOCATION (1): 1
OTHER INFORMATION: 2'-O-methyl
FEATURE:
LOC/KEY: nlec_feature
LOCATION (1): 1
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
LOC/KEY: nlec_feature
LOCATION (1): 1
OTHER INFORMATION: 2'-O-methyl
FEATURE:
LOC/KEY: nlec_feature
LOCATION (20): 421
OTHER INFORMATION: n stands for thymidine
FEATURE:
LOC/KEY: nlec_feature
LOCATION (21): 422
OTHER INFORMATION: 3'-3' attached terminal deoxybasic moiety
US-10-861-060-344

```

```

Query Match
Beat Local Similarity: 1.2%, Score 19, DB 1, Length 21,
Matches 19, Conservative 0, Mismatches 0, Indels 0, Gaps 0
1337 TTGATCTGATCTGATCTT 1355
19 TTGATCTGATCTGATCTT 1

```

```

RESULT 506
US-10-861-060-346/C
Publication No. US2005013155A1
GENERAL INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
INVENTOR: Heek-Sang, James
APPLICANT: Heek-Sang, James
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/450 Interfering Nucleic Acid (siRNA)
CURRENT APPLICATION NUMBER: US/10/861,060
PRIOR FILING DATE: 2004-06-03/069,011
PRIOR FILING DATE: 2003-11-24/069,011
PRIOR APPLICATION NUMBER: US 10/856,966
PRIOR FILING DATE: 2004-04-16/075,603
PRIOR FILING DATE: 2004-04-16/075,603
PRIOR FILING DATE: 2004-04-16/075,603
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24/069,059
PRIOR FILING DATE: 2003-09-30/069,059
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-27/US03/05346
PRIOR FILING DATE: 2003-02-27/US03/05346
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-27/US03/05346
PRIOR FILING DATE: 2003-02-27/US03/05346
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-10/13456
PRIOR FILING DATE: 2004-04-10/13456
NUMBER OF SEQ ID NOS: 314
SOFTWARE: PatentIn version 1.3
SEQ ID NO 345

```

```

LENGTH: 21
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
FEATURE:
LOC/KEY: nlec_feature
LOCATION (1): 1
OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety
FEATURE:
LOC/KEY: nlec_feature
LOCATION (20): 421
OTHER INFORMATION: n stands for thymidine
FEATURE:
LOC/KEY: nlec_feature
LOCATION (21): 422
OTHER INFORMATION: 3'-3' attached terminal deoxybasic moiety
US-10-861-060-345

```

```

Query Match
Beat Local Similarity: 1.2%, Score 19, DB 1, Length 21,
Matches 19, Conservative 0, Mismatches 0, Indels 0, Gaps 0
325 CTTTGATGAAAAGGACGCG 343
19 CTTTGATGAAAAGGACGCG 1

```

```

RESULT 507
US-10-861-060-346/C
Publication No. US2005013155A1
GENERAL INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
INVENTOR: Heek-Sang, James
APPLICANT: Heek-Sang, James
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/450 Interfering Nucleic Acid (siRNA)
CURRENT APPLICATION NUMBER: US/10/861,060
PRIOR FILING DATE: 2004-06-03/069,011
PRIOR FILING DATE: 2003-11-24/069,011
PRIOR APPLICATION NUMBER: US 10/856,966
PRIOR FILING DATE: 2004-04-16/075,603
PRIOR FILING DATE: 2004-04-16/075,603
PRIOR FILING DATE: 2004-04-16/075,603
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24/069,059
PRIOR FILING DATE: 2003-09-30/069,059
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-27/US03/05346
PRIOR FILING DATE: 2003-02-27/US03/05346
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-27/US03/05346
PRIOR FILING DATE: 2003-02-27/US03/05346
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-10/13456
PRIOR FILING DATE: 2004-04-10/13456
NUMBER OF SEQ ID NOS: 314
SOFTWARE: PatentIn version 1.3
SEQ ID NO 346

```

```

NAME/KEY: nlec_feature
FEATURE:
LOC/KEY: nlec_feature
LOCATION (1): 1
OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety
FEATURE:
LOC/KEY: nlec_feature
LOCATION (20): 421
OTHER INFORMATION: n stands for thymidine
FEATURE:
LOC/KEY: nlec_feature
LOCATION (21): 422
OTHER INFORMATION: 3'-3' attached terminal deoxybasic moiety
US-10-861-060-346

```

```

LOCATION: (1) - (1)
OTHER INFORMATION: 5'-3' attached terminal deoxyabasic moiety
FEATURE:
NAME/KEY: msc_feature
NAME/KEY: (21) - (21)
OTHER INFORMATION: n stands for thymidine
FEATURE:
NAME/KEY: msc_feature
NAME/KEY: (21) - (21)
LOCATION: (21) - (21)
OTHER INFORMATION: 3'-3' attached terminal deoxyabasic moiety
US-10-861-060-346

Query Match
US-10-861-060-346/c 1.24; Score 19; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 390 ATTCTCTGGATCTTCTTCA 408
DB 19 ATTCTCTGGATCTTCTTCA 1

RESULT 508
US-10-861-060-347/c
Sequence 347, Application US/10661060
Publication No. US2005017155A1
APPLICANT: Sinna Therapeutics, Inc.
APPLICANT: McWiggen, James
APPLICANT: Heberill, Peter
TITLE OR INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/162 (MIMB08)-372-A,050
CURRENT FILING DATE: 2004-06-03 US/10/651,060
PRIOR APPLICATION NUMBER: US 10/659,311
PRIOR FILING DATE: 2003-10-31 US/10/659,311
PRIOR FILING DATE: 2003-10-31 US/10/659,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US 10/699,059
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/699311
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - see File Wrapper or PMA.
NUMBER OF SEQ ID NOS: 314
SEQ ID NO 347
US-10-861-060-348
LENGTH: 21
TYPER: RNA
ORIGIN: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
FEATURE:
NAME/KEY: msc_feature
NAME/KEY: (21) - (21)
OTHER INFORMATION: 5'-3' attached terminal deoxyabasic moiety
FEATURE:
NAME/KEY: msc_feature
NAME/KEY: (21) - (21)
LOCATION: (21) - (21)
OTHER INFORMATION: n stands for thymidine
FEATURE:
NAME/KEY: msc_feature
NAME/KEY: (21) - (21)
LOCATION: (21) - (21)
OTHER INFORMATION: 3'-3' attached terminal deoxyabasic moiety
US-10-861-060-348

Query Match
US-10-861-060-348/c 1.24; Score 19; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 391 ATTCTCTGGATCTTCTTCA 409
DB 19 ATTCTCTGGATCTTCTTCA 1

RESULT 509
US-10-861-060-348/c
Sequence 348, Application US/10661060
Publication No. US2005017155A1
APPLICANT: Sinna Therapeutics, Inc.
APPLICANT: McWiggen, James
APPLICANT: Heberill, Peter
TITLE OR INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/162 (MIMB08)-372-A,050
CURRENT FILING DATE: 2004-06-03 US/10/651,060
PRIOR APPLICATION NUMBER: US 10/659,311
PRIOR FILING DATE: 2003-10-31 US/10/659,311
PRIOR FILING DATE: 2003-10-31 US/10/659,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US 10/699,059
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/699311
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - see File Wrapper or PMA.
NUMBER OF SEQ ID NOS: 314
SEQ ID NO 348
US-10-861-060-348
LENGTH: 21
TYPER: RNA
ORIGIN: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
FEATURE:
NAME/KEY: msc_feature
NAME/KEY: (1) - (1)
OTHER INFORMATION: 5'-3' attached terminal deoxyabasic moiety
FEATURE:
NAME/KEY: msc_feature
NAME/KEY: (20) - (21)
OTHER INFORMATION: n stands for thymidine
FEATURE:
NAME/KEY: msc_feature
NAME/KEY: (21) - (21)
LOCATION: (21) - (21)
OTHER INFORMATION: 3'-3' attached terminal deoxyabasic moiety
US-10-861-060-348

Query Match
US-10-861-060-348/c 1.24; Score 19; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
  ORIGIN:
  ORIGIN INFORMATION: Primer
  NAME/KEY: mlec feature
  OTHER INFORMATION: n = dT= deoxythymidine
US-10-931-286A-13
Query Match
Best Local Similarity 84.2% Pctd No. 18e+02
Matches 16/ Conservative 0/ Mismatches 0/ Indels 0/ Gaps 0/
Db 1 CGGGTGTGACGACGCTTAC 19

RESULT 515
US-10-931-286A-14/C
Sequence 14, Application US/10991286A
Publication 10, US20050186591A1
GENERAL INFORMATION:
  APPLICANT: Buncro, David
  APPLICANT: Parter, Matthew J.
  APPLICANT: Vornlocher, Hans-Peter
  TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
  FILE REFERENCE: 11574-001001
  CURRENT FILING DATE: 2004-11-11/0/991.286A
  PRIOR APPLICATION NUMBER: PCT/US2004/18271
  PRIOR FILING DATE: 2004-06-09/60/476,947
  PRIOR FILING DATE: 2004-06-09
  NUMBER OF SEQ ID NOS: 51
  SOFTWARE: ParsSeq for Windows Version 4.0
  SEQ ID NO 15
  LENGTH: 21
  TYPE: DNA
  ORGANISM: Artificial Sequence
  OTHER INFORMATION: Primer
  NAME/KEY: mlec feature
  OTHER INFORMATION: n = dT= deoxythymidine
US-10-931-286A-14
Query Match
Best Local Similarity 100.0% Pctd No. 1.8e+02
Matches 19/ Conservative 0/ Mismatches 0/ Indels 0/ Gaps 0/
Db 261 CGGGTGTGACGACGCTTAC 19

RESULT 516
US-10-931-286A-15
Sequence 15, Application US/10991286A
Publication 10, US20050186591A1
GENERAL INFORMATION:
  APPLICANT: Buncro, David
  APPLICANT: Parter, Matthew J.
  APPLICANT: Vornlocher, Hans-Peter
  TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
  FILE REFERENCE: 11574-001001
  CURRENT FILING DATE: 2004-11-11/0/991.286A
  PRIOR APPLICATION NUMBER: PCT/US2004/18271
  PRIOR FILING DATE: 2004-06-09/60/476,947
  PRIOR FILING DATE: 2004-06-09
  NUMBER OF SEQ ID NOS: 51
  SOFTWARE: ParsSeq for Windows Version 4.0
  SEQ ID NO 16
  LENGTH: 21
  TYPE: DNA
  ORGANISM: Artificial Sequence
  OTHER INFORMATION: Primer
  NAME/KEY: mlec feature
  OTHER INFORMATION: n = dT= deoxythymidine
US-10-931-286A-15
Query Match
Best Local Similarity 100.0% Pctd No. 1.8e+02
Matches 19/ Conservative 0/ Mismatches 0/ Indels 0/ Gaps 0/
Db 19 CGGGTGTGACGACGCTTAC 1

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PRIOR FILING DATE: 2004-06-09
PRIOR APPLICATION NUMBER: US 60/476,947
PRIOR FILING DATE: 2004-06-09
PRIOR FILING DATE: 2004-06-09
SOFTWARE: ParsSeq for Windows Version 4.0
SEQ ID NO 15
LENGTH: 21
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
  ORIGIN:
  ORIGIN INFORMATION: Primer
  NAME/KEY: mlec feature
  OTHER INFORMATION: n = dT= deoxythymidine
US-10-931-286A-15
Query Match
Best Local Similarity 66.4% Pctd No. 1.8e+02
Matches 19/ Conservative 0/ Mismatches 0/ Indels 0/ Gaps 0/
Db 403 TCTTGACATGACGCTTAT 21
1 CGGGTGTGACGACGCTTAC 19

RESULT 517
US-10-931-286A-16/C
Sequence 16, Application US/10991286A
Publication 10, US20050186591A1
GENERAL INFORMATION:
  APPLICANT: Buncro, David
  APPLICANT: Parter, Matthew J.
  APPLICANT: Vornlocher, Hans-Peter
  TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
  FILE REFERENCE: 11574-001001
  CURRENT FILING DATE: 2004-11-11/0/991.286A
  PRIOR APPLICATION NUMBER: US/10/991.286A
  PRIOR FILING DATE: 2004-06-09/60/476,947
  PRIOR FILING DATE: 2004-06-09
  NUMBER OF SEQ ID NOS: 51
  SOFTWARE: ParsSeq for Windows Version 4.0
  SEQ ID NO 16
  LENGTH: 21
  TYPE: DNA
  ORGANISM: Artificial Sequence
  OTHER INFORMATION: Primer
  NAME/KEY: mlec feature
  OTHER INFORMATION: n = dT= deoxythymidine
US-10-931-286A-16
Query Match
Best Local Similarity 100.0% Pctd No. 1.8e+02
Matches 19/ Conservative 0/ Mismatches 0/ Indels 0/ Gaps 0/
Db 403 TCTTGACATGACGCTTAT 21
1 CGGGTGTGACGACGCTTAC 1

```

```

APPLICANT: Margenau, Dorette M.
APPLICANT: Vornlocher, Hans-Peter
TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
FILE REPLICATION NUMBER: US/10/991,286A
CURRENT FILING DATE: 2004-11-17
PRIORITY APPLICATION NUMBER: PCT/US2004/18271
PRIORITY APPLICATION NUMBER: US 60/476,947
PRIORITY FILING DATE: 2003-06-09
NUMBER OF SEQ ID NOS: 51
SEQ ID NO 19
SEQ ID NO 19
LENGTH: 21
TYPE: DNA
FEATURE: Artificial Sequence
FEATURE: Primer
OTHER INFORMATION: Primer
FEATURE: misc feature
LOCATION: 20..31
US-10-991-286A-19
Query Match 1.2% Score 19; DB 1; Length 21;
Best Local Similarity 84.2% Pred.No.1.8e+02;
Matches 16; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

451 CTGAGACCTGAGACCTTA 469
|||||:|||||:|||||
DB 1 CTAAGACCTGAGACCTTA 19

RESULT 519
US-10-991-286A-20/C
Sequence 20 Application US/10991286A
Publication No. US20050186591A1
GENERAL INFORMATION:
APPLICANT: Margenau, Dorette M.
APPLICANT: Vornlocher, Hans-Peter
TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
FILE REPLICATION NUMBER: US/10/991,286A
CURRENT FILING DATE: 2004-11-17
PRIORITY APPLICATION NUMBER: PCT/US2004/18271
PRIORITY APPLICATION NUMBER: US 60/476,947
PRIORITY FILING DATE: 2003-06-09
NUMBER OF SEQ ID NOS: 51
SEQ ID NO 20
SEQ ID NO 20
LENGTH: 21
TYPE: DNA
FEATURE: Artificial Sequence
FEATURE: Primer
OTHER INFORMATION: Primer
FEATURE: misc feature
LOCATION: 20..31
US-10-991-286A-20
Query Match 1.2% Score 19; DB 1; Length 21;
Best Local Similarity 100.0% Pred.No.1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

451 CTGAGACCTGAGACCTTA 469
|||||:|||||:|||||
DB 19 CTAGACCTGAGACCTTA 1

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RESULT 520
US-10-991-286A-25
Sequence 25 Application US/10991286A
Publication No. US20050186591A1
GENERAL INFORMATION:
APPLICANT: Margenau, Dorette M.
APPLICANT: Vornlocher, Hans-Peter
TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
FILE REPLICATION NUMBER: US/10/991,286A
CURRENT FILING DATE: 2004-11-17
PRIORITY APPLICATION NUMBER: PCT/US2004/18271
PRIORITY APPLICATION NUMBER: US 60/476,947
PRIORITY FILING DATE: 2003-06-09
NUMBER OF SEQ ID NOS: 51
SEQ ID NO 25
SEQ ID NO 25
LENGTH: 21
TYPE: DNA
FEATURE: Artificial Sequence
FEATURE: Primer
OTHER INFORMATION: Primer
FEATURE: misc feature
LOCATION: 20..31
US-10-991-286A-25
Query Match 1.2% Score 19; DB 1; Length 21;
Best Local Similarity 57.8% Pred.No.1.8e+02;
Matches 11; Conservative 8; Mismatches 0; Indels 0; Gaps 0;

1311 CTATGAGACCTGACCTT 1329
|||||:|||||:|||||
DB 1 CTAAGACCTGAGACCTTA 19

RESULT 521
US-10-991-286A-26/C
Sequence 26 Application US/10991286A
Publication No. US20050186591A1
GENERAL INFORMATION:
APPLICANT: Margenau, Dorette M.
APPLICANT: Vornlocher, Hans-Peter
TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
FILE REPLICATION NUMBER: US/10/991,286A
CURRENT FILING DATE: 2004-11-17
PRIORITY APPLICATION NUMBER: PCT/US2004/18271
PRIORITY APPLICATION NUMBER: US 60/476,947
PRIORITY FILING DATE: 2003-06-09
NUMBER OF SEQ ID NOS: 51
SEQ ID NO 26
SEQ ID NO 26
LENGTH: 21
TYPE: DNA
FEATURE: Artificial Sequence
FEATURE: Primer
OTHER INFORMATION: Primer
FEATURE: misc feature
LOCATION: 20..31
US-10-991-286A-26
Query Match 1.2% Score 19; DB 1; Length 21;
Best Local Similarity 100.0% Pred.No.1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

451 CTGAGACCTGAGACCTTA 469
|||||:|||||:|||||
DB 19 CTAGACCTGAGACCTTA 1

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Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1311 CATTGAGAGGCGCTCT 1329
Db 19 CATTGAGAGGCGCTCT 1

RESULT 522
US-10-645-667-1340/C
Publication No. US2005020183X1
GENERAL INFORMATION:
APPLICANT: Pan, Jian-Bing
APPLICANT: Sirta Therapeutics, Inc.
TITLE OF INVENTION: Methods and Compositions for Diagnosing
and Treating Parkinson Disease Using
FILE REFERENCE: 6724-4321 US-10/645,667
CURRENT FILING DATE: 2003-05-14
PRIOR APPLICATION NUMBER: 60/473,488
SOFTWARE: ParsSeq for Windows Version 4.0
SEQ ID NO 1340
LENGTH: 23
ORGANISM: Homo sapiens
US-10-645-667-1340

Query Match
Beet Local Similarity 90.9%; Pred. No. 1.7e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Cy 1378 GCGTTTGCGAGAGGCTT 1399
Db 22 GCGTTTGCGAGAGGCTT 1

RESULT 523
US-10-698-311-173
Sequence 173, Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: MesSisgen, James
APPLICANT: Chorvitz, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
Current Application Number: US/10/699,311
CURRENT FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR APPLICATION NUMBER: US 60/359,480
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: 60/393,196
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310

SOFTWARE: Parentin version 3.2
SEQ ID NO 173
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: Target Sequence/sirta sense r
US-10-698-311-173
Query Match
Beet Local Similarity 100%; Pred. No. 2.5e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 135 CAGGAGGAGGAGGAGG 152
Db 2 CAGGAGGAGGAGGAGG 19

RESULT 525
US-10-698-311-192
Sequence 191, Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: MesSisgen, James
APPLICANT: Hebelein, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
Current Application Number: PCT/US03/05028
PRIOR APPLICATION NUMBER: US 60/359,480
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: 60/393,196
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NO: Parentin version 3.2
SEQ ID NO 191
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: Target Sequence/sirta sense r
US-10-698-311-191
Query Match
Beet Local Similarity 100%; Pred. No. 2.5e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 135 CAGGAGGAGGAGGAGG 152
Db 2 CAGGAGGAGGAGGAGG 19

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US-10-698-311-211

Query Match 1.2% Score 18; DB 1; Length 19;

Beet Local Similarity 100.0%; Pred. No. 2.5e+02;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 116 CACGAGGAGGAGGAGG 133

19 CACGAGGAGGAGGAGG 2

RESULT 328

US-10-698-311-229/c

Publication No. US62004021867A1

GENERAL INFORMATION:

APPLICANT: Sigma Therapeutics, Inc.

APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 400/137 (HMBD03-198-4) US Nucleic Acid (sRNA)

CURRENT FILING DATE: 2003-02-20 (US03/05028

PRIOR FILING DATE: 2003-02-20 (US 60/358,580

PRIOR FILING DATE: 2002-09-05 (US 60/409,792

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-06 (US 60/386,782

PRIOR FILING DATE: 2002-07-03

PRIOR APPLICATION NUMBER: 60/799,348

PRIOR FILING DATE: 2002-07-29 (US 60/406,784

PRIOR FILING DATE: 2002-08-29

PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR FILING DATE: 2002-09-05 (US 60/409,792

PRIOR FILING DATE: 2002-09-09

PRIOR APPLICATION NUMBER: US 60/440,129

NUMBER OF SEQUENCES: 2

SOFTWARE: Patent version 1.2

SEQ ID NO 229

LINES: 19

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE: Artificial Sequence

US-10-698-311-229

Description of Artificial Sequence: sRNA antisense region

Query Match 1.2% Score 18; DB 1; Length 19;

Beet Local Similarity 100.0%; Pred. No. 2.5e+02;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 135 CACGAGGAGGAGGAGG 152

18 CACGAGGAGGAGGAGG 1

RESULT 529

US-10-698-311-230/c

Publication No. US62004021867A1

GENERAL INFORMATION:

APPLICANT: Sigma Therapeutics, Inc.

APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

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APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

FILE REFERENCE: 400/137 (HMBD03-198-4) US Nucleic Acid (sRNA)

CURRENT FILING DATE: 2003-02-20 (US03/05028

PRIOR FILING DATE: 2003-02-20 (US 60/358,580

PRIOR FILING DATE: 2002-09-05 (US 60/409,792

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-06 (US 60/386,782

PRIOR FILING DATE: 2002-07-03

PRIOR APPLICATION NUMBER: 60/799,348

PRIOR FILING DATE: 2002-07-29 (US 60/406,784

PRIOR FILING DATE: 2002-08-29

PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR FILING DATE: 2002-09-05 (US 60/409,792

PRIOR FILING DATE: 2002-03-11

PRIOR FILING DATE: 2002-06-06 (US 60/386,782

PRIOR FILING DATE: 2002-07-03

PRIOR APPLICATION NUMBER: US 60/440,129

NUMBER OF SEQUENCES: 2

SOFTWARE: Patent version 1.2

SEQ ID NO 210

LINES: 19

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE: Artificial Sequence

US-10-698-311-230

Description of Artificial Sequence: sRNA antisense region

Query Match 1.2% Score 18; DB 1; Length 19;

Beet Local Similarity 100.0%; Pred. No. 2.5e+02;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 191 CACGAGGAGGAGGAGG 208

19 CACGAGGAGGAGGAGG 2

RESULT 530

US-10-698-311-248/c

Publication No. US62004021867A1

GENERAL INFORMATION:

APPLICANT: Sigma Therapeutics, Inc.

APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

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APPLICANT: Hoechst, Inc.

APPLICANT: Hoechst, Inc.

PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 CURRENT FILING DATE: 2004-06-03  
 SEQ ID NO 248  
 LENGTH: 19  
 TYPE: RNA  
 FRAGMENT: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region

Query Match 1.24; Score 18; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pred.No. 2,5e-02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

210 TGGCTGAAACCAACG 227  
 18 TGGCTGAAACCAACG 1

RESULT 531  
 US-10-661-060-193  
 Publication No. US2005017155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirna Therapeutics, Inc.  
 APPLICANT: Chowella, Bharat  
 APPLICANT: Hasebilla, Peter  
 TITLE OF INVENTION: RNA interference mediated treatment of parkinson disease using  
 FILE REFERENCE: 400/152 (IMH004-372-A) Nucleic Acid (sRNA)  
 CURRENT FILING DATE: 2004-06-03  
 PRIOR FILING DATE: 2003-10-31/059,311  
 PRIOR APPLICATION NUMBER: US 10/926,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR FILING DATE: 2004-01-14  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05328  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO 173  
 TYPE: RNA  
 FRAGMENT: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r

Query Match 1.16; Score 18; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pred.No. 2,5e-02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

116 CAGGATGTCGACAAACG 133  
 1 CAGGATGTCGACAAACG 18

RESULT 532  
 US-10-661-060-191  
 Publication No. US2005017155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirna Therapeutics, Inc.  
 APPLICANT: Chowella, Bharat  
 APPLICANT: Hasebilla, Peter  
 TITLE OF INVENTION: RNA interference mediated treatment of parkinson disease using  
 FILE REFERENCE: 400/152 (IMH004-372-A) Nucleic Acid (sRNA)  
 CURRENT FILING DATE: 2004-06-03  
 PRIOR FILING DATE: 2003-10-31/059,311  
 PRIOR APPLICATION NUMBER: US 10/926,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR FILING DATE: 2003-10-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05328  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/926,966  
 PRIOR FILING DATE: 2004-04-30  
 NUMBER OF SEQ ID NOS: 374  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO 191  
 TYPE: RNA  
 FRAGMENT: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r

Query Match 1.24; Score 18; DB 1; Length 19;  
 Best Local Similarity 100.0%; Pred.No. 2,5e-02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

135 CAGGATGTCGACAAACG 152  
 2 CAGGATGTCGACAAACG 19

RESULT 533  
 US-10-661-060-192  
 Publication No. US2005017155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirna Therapeutics, Inc.  
 APPLICANT: Chowella, Bharat  
 APPLICANT: Hasebilla, Peter  
 TITLE OF INVENTION: RNA interference mediated treatment of parkinson disease using  
 FILE REFERENCE: 400/152 (IMH004-372-A) Nucleic Acid (sRNA)  
 CURRENT FILING DATE: 2004-06-03







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1 SOFTWARE: PatentIn version 3.3
2 SEQ ID NO 248
3 TYPE: RNA
4 ORGANISM: Artificial Sequence
5 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region
US-10-061-060-248
Query Match 1 24; Score 18; DB 1; Length 19;
Beet local Similarity 94.74; Pval No. 2.3e-02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 210 TCGTCGAGAGAGCCAGG 227
DB 18 TCGTCGAGAGAGCCAGG 1

RESULT 539
US-10-991-286A-19/c
Sequence 18, Application US/10991286A
GENERAL INFORMATION:
APPLICANT: Buncot, David
APPLICANT: Farrer, Matthew J.
APPLICANT: Worthington, James M.
TITLE OF INVENTION: METHOD OF TREATING NEURODEGENERATIVE DISEASE
FILE REFERENCE: 17574-0031001
CURRENT FILING DATE: US/04/0991, 286A
PRIOR FILING DATE: US/03/11/03, 17574-0031001
PRIOR APPLICATION NUMBER: PCT/US2004/18271
PRIOR FILING DATE: 2004-06-09; US/06/476, 947
PRIOR FILING DATE: 2005-06-09
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FASTSEQ for Windows version 4.0
SEQ ID NO 21
SD (NCBI) 21
TYPE: DNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Primer
FEATURE:
NAME/KEY: s1ac_feature
OTHER INFORMATION: n = 2'-O-Me-uridine phosphorothioate modification
NAME/KEY: s1ac_feature
FEATURE:
OTHER INFORMATION: n = deoxythymidine
NAME/KEY: s1ac_feature
FEATURE:
OTHER INFORMATION: n = deoxythymidine phosphorothioate modification
US-10-991-286A-18
Query Match 1 24; Score 18; DB 1; Length 21;
Beet local Similarity 94.74; Pval No. 2.3e-02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 403 TCCGACATAGAGGCTAT 421
DB 19 TCCGACATAGAGGCTAT 1

RESULT 540
US-10-908-400A-56
Sequence 56, Application US/10908400A
GENERAL INFORMATION:
APPLICANT: ATOM Co., LTD.
APPLICANT: KIM, Jong-Sun
1 TITLE OF INVENTION: Novel peptides conferring environmental stress resistance and
2 TITLE OF INVENTION: fusion proteins including said peptides
3 FILE REFERENCE: 19520-DIFP US/07/908, 400A
4 CURRENT FILING DATE: 2005-05-10
5 PRIOR APPLICATION NUMBER: US 10/713, 451
6 PRIOR FILING DATE: 2003-11-14; US-10-2004-3323
7 PRIOR APPLICATION NUMBER: KR 10-2004-00511
8 PRIOR FILING DATE: 2004-05-11
9 PRIOR APPLICATION NUMBER: KR 10-2005-36882
10 NUMBER OF SEQ ID NOS: 05-02
11 SOFTWARE: Kopentien 1.71
12 SEQ ID NO 56
13 TYPE: RNA
14 ORGANISM: Artificial Sequence
15 OTHER INFORMATION: Primer for site-directed mutagenesis to Y1334
16 FEATURE:
17 US-10-908-400A-56
Query Match 1 24; Score 17.8; DB 1; Length 21;
Beet local Similarity 95.54; Pval No. 2.4e-02;
Matches 19; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 434 GAGCAAGCTATCAAGCTAC 454
DB 1 GAGCAAGCTATCAAGCTAC 21

RESULT 541
US-10-908-400A-57/c
Sequence 57, Application US/10908400A
GENERAL INFORMATION:
APPLICANT: ATOM Co., LTD.
APPLICANT: KIM, Jong-Sun
TITLE OF INVENTION: Novel peptides conferring environmental stress resistance and
2 TITLE OF INVENTION: fusion proteins including said peptides
3 FILE REFERENCE: 19520-DIFP US/07/908, 400A
4 CURRENT FILING DATE: 2005-05-10
5 PRIOR APPLICATION NUMBER: KR 10-2004-3323
6 PRIOR FILING DATE: 2004-05-11
7 PRIOR APPLICATION NUMBER: KR 10-2005-36882
8 PRIOR FILING DATE: 2005-05-02
9 NUMBER OF SEQ ID NOS: 105
10 SOFTWARE: Kopentien 1.71
11 SEQ ID NO 57
12 TYPE: DNA
13 ORGANISM: Artificial Sequence
14 OTHER INFORMATION: Primer for site-directed mutagenesis to Y1334
15 US-10-908-400A-57
Query Match 1 24; Score 17.8; DB 1; Length 21;
Beet local Similarity 90.54; Pval No. 4.7e-02;
Matches 19; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 434 GAGCAAGCTATCAAGCTAC 454
DB 21 GAGCAAGCTATCAAGCTAC 1

RESULT 542
US-10-908-400A-58
Sequence 58, Application US/10908400A
GENERAL INFORMATION:
APPLICANT: ATOM Co., LTD.

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APPLICANT: KIM, Jong-Sun
TITLE OF INVENTION: Novel peptides conferring environmental stress resistance and
TITLE OF INVENTION: Fusion proteins including said peptides
FILE REFERENCE: US/10/908,400A
CURRENT FILING DATE: 2005-05-10
PRIOR APPLICATION NUMBER: US 10/713,851
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: KR 10-2004-33123
PRIOR FILING DATE: 2004-05-11
PRIOR APPLICATION NUMBER: KR 10-2005-36882
PRIOR FILING DATE: 2005-05-02
NUMBER OF SEQ ID NOS: 105
SOFTWARE: Kopelecitin 1.71
SSO ID NO 58
LENGTH: 21
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer for site-directed mutagenesis to Y1245
US-10-908-400A-59
Query Match 1: 1.24; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 2,4e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Db 1 GCGATGAAAGCCCTTGAAG 21

RESULT 543
US-10-908-400A-59/c
Sequence 59, Application US/10908400A
Publication No. US2005020310A1
GENERAL INFORMATION:
APPLICANT: KIM, Jong-Sun
TITLE OF INVENTION: Novel peptides conferring environmental stress resistance and
TITLE OF INVENTION: Fusion proteins including said peptides
FILE REFERENCE: US/10/908,400A
CURRENT FILING DATE: 2005-05-10
PRIOR APPLICATION NUMBER: US 10/713,851
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: KR 10-2004-33123
PRIOR FILING DATE: 2004-05-11
PRIOR APPLICATION NUMBER: KR 10-2005-36882
PRIOR FILING DATE: 2005-05-02
NUMBER OF SEQ ID NOS: 105
SOFTWARE: Kopelecitin 1.71
SSO ID NO 59
LENGTH: 21
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer for site-directed mutagenesis to Y1245
US-10-908-400A-59
Query Match 1: 1.24; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 2,4e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Db 21 GCGATGAAAGCCCTTGAAG 1

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APPLICANT: ATGEN CO., LTD.
TITLE OF INVENTION: Novel peptides conferring environmental stress resistance and
TITLE OF INVENTION: Fusion proteins including said peptides
FILE REFERENCE: US/10/908,400A
CURRENT FILING DATE: 2005-05-10
PRIOR APPLICATION NUMBER: US 10/713,851
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: KR 10-2004-33123
PRIOR FILING DATE: 2004-05-11
PRIOR APPLICATION NUMBER: KR 10-2005-36882
PRIOR FILING DATE: 2005-05-02
NUMBER OF SEQ ID NOS: 105
SOFTWARE: Kopelecitin 1.71
SSO ID NO 62
LENGTH: 21
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer for site-directed mutagenesis to M1275
US-10-908-400A-62
Query Match 1: 1.24; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 2,4e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Db 1 GCTATGAAAGCCCTTGAAG 21

RESULT 545
US-10-908-400A-62/c
Sequence 62, Application US/10908400A
Publication No. US2005020310A1
GENERAL INFORMATION:
APPLICANT: ATGEN CO., LTD.
TITLE OF INVENTION: Novel peptides conferring environmental stress resistance and
TITLE OF INVENTION: Fusion proteins including said peptides
FILE REFERENCE: US/10/908,400A
CURRENT FILING DATE: 2005-05-10
PRIOR APPLICATION NUMBER: US 10/713,851
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: KR 10-2004-33123
PRIOR FILING DATE: 2004-05-11
PRIOR APPLICATION NUMBER: KR 10-2005-36882
PRIOR FILING DATE: 2005-05-02
NUMBER OF SEQ ID NOS: 105
SOFTWARE: Kopelecitin 1.71
SSO ID NO 63
LENGTH: 21
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer for site-directed mutagenesis to M1275
US-10-908-400A-63
Query Match 1: 1.24; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 2,4e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Db 21 GCTATGAAAGCCCTTGAAG 1

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RESULT 544
US-10-908-400A-62
Sequence 62, Application US/10908400A
Publication No. US2005020310A1
GENERAL INFORMATION:

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RESULT 546
US-10-908-400A-63
Sequence 63, Application US/10908400A
Publication No. US2005020310A1
GENERAL INFORMATION:

```



```
Query Match          1.1%   Score 17.4; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 2, Seq02;
Matches    16; Conservative    2; Mismatches    1; Indels    0; Gaps    0
```

QY 113 GATGTCGCACAAAGACACGG 137  
|||.|||||  
Db 1 GAGUGCGCACAAGCACACG 19

RESULT 559  
 US2004011417  
 Sequence 117: Application US/1069811  
 Publication No. US20040216741  
 GENERAL INFORMATION:  
 INVENTOR: HANSEN, JENNIFER L.  
 APPLICANT: McSwiggen, James  
 APPLICANT: Hachelski, Peter  
 APPLICANT: Hachelski, Peter  
 TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)  
 Title of Invention: Short Interfering Nucleic Acid Using

```

Query Match      1.1% Score 17.4; DB 1; Length 19;
Best local Similarity 84.2%; Pval: No. 9e+02;
Matches 167 Conservative 2; Mismatches 1; Indels 0;

Oy              120 GTGTGCGAGACGCACGCG 138
                |||..|||.....
Db               1 GGGTTCGAGACGACGAG 19

RESULT 550
US-10-698-311-178
Sequence 178 Application US/10693311
Accession Number US/000421597A/NL
GENBANK INFORMATION
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Heberle, Peter
APPLICANT: MesAigen, James
TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using
TITLE OF INVENTION: Short interfering Nucleic Acid (siRNA)

```





APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Chiovita, Shurt  
 APPLICANT: Hebebrand, Peter  
 TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (US003-198-A)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US/02-20/05028  
 PRIOR FILING DATE: 2003-02-20/60363,124  
 PRIOR APPLICATION NUMBER: US/60/386,782  
 PRIOR FILING DATE: 2003-03-11/60363,124  
 PRIOR APPLICATION NUMBER: US/60/386,782  
 PRIOR FILING DATE: 2003-07-29/60393,348  
 PRIOR APPLICATION NUMBER: 60/393,348  
 PRIOR FILING DATE: 2003-08-29/60406,784  
 PRIOR APPLICATION NUMBER: US/60/408,378  
 PRIOR FILING DATE: 2003-09-05/60409,293  
 PRIOR APPLICATION NUMBER: US/60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 185  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURES: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense  
 US-10-698-311-187  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7% Pred. No. 2.9e-02;  
 Matches 18/ Conservative 0/ Mismatches 1, Indels 0, Gaps 0;  
 Db 1 AACGCGGCGGAGGAGGAAA 146  
 1 GAGGCGGCGGAGGAGGAAA 19  
 RESULT 559  
 US-10-698-311-187  
 Publication No. US2004021967A1  
 GENERAL INFORMATION:  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Chiovita, Shurt  
 APPLICANT: Hebebrand, Peter  
 TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (US003-198-A)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US/02-20/05028  
 PRIOR FILING DATE: 2003-02-20/60363,124  
 PRIOR APPLICATION NUMBER: US/60/386,782  
 PRIOR FILING DATE: 2003-03-11/60363,124  
 PRIOR APPLICATION NUMBER: US/60/386,782  
 PRIOR FILING DATE: 2003-07-29/60393,348  
 PRIOR APPLICATION NUMBER: 60/393,348  
 PRIOR FILING DATE: 2003-08-29/60406,784  
 PRIOR APPLICATION NUMBER: US/60/408,378  
 PRIOR FILING DATE: 2003-09-05/60409,293  
 PRIOR APPLICATION NUMBER: US/60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 187  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURES: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense r  
 US-10-698-311-187  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7% Pred. No. 2.9e-02;  
 Matches 18/ Conservative 0/ Mismatches 1, Indels 0, Gaps 0;  
 Db 1 AACGCGGCGGAGGAGGAAA 147  
 1 GAGGCGGCGGAGGAGGAAA 19

PRIOR FILING DATE: 2003-07-29  
 PRIOR APPLICATION NUMBER: US/60/406,784  
 PRIOR FILING DATE: 2003-08-29/60406,784  
 PRIOR APPLICATION NUMBER: US/60/408,378  
 PRIOR FILING DATE: 2003-09-05/60409,293  
 PRIOR APPLICATION NUMBER: US/60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 110  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 186  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURES: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense r  
 US-10-698-311-186  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7% Pred. No. 2.9e-02;  
 Matches 18/ Conservative 0/ Mismatches 1, Indels 0, Gaps 0;  
 Db 1 AACGCGGCGGAGGAGGAAA 147  
 1 GAGGCGGCGGAGGAGGAAA 19  
 RESULT 559  
 US-10-698-311-187  
 Publication No. US2004021967A1  
 GENERAL INFORMATION:  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Chiovita, Shurt  
 APPLICANT: Hebebrand, Peter  
 TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (US003-198-A)  
 CURRENT APPLICATION NUMBER: US/10/698,311  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: US/02-20/05028  
 PRIOR FILING DATE: 2003-02-20/60363,124  
 PRIOR APPLICATION NUMBER: US/60/386,782  
 PRIOR FILING DATE: 2003-03-11/60363,124  
 PRIOR APPLICATION NUMBER: US/60/386,782  
 PRIOR FILING DATE: 2003-07-29/60393,348  
 PRIOR APPLICATION NUMBER: 60/393,348  
 PRIOR FILING DATE: 2003-08-29/60406,784  
 PRIOR APPLICATION NUMBER: US/60/408,378  
 PRIOR FILING DATE: 2003-09-05/60409,293  
 PRIOR APPLICATION NUMBER: US/60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 187  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURES: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense r  
 US-10-698-311-187  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7% Pred. No. 2.9e-02;  
 Matches 18/ Conservative 0/ Mismatches 1, Indels 0, Gaps 0;  
 Db 1 AACGCGGCGGAGGAGGAAA 147  
 1 GAGGCGGCGGAGGAGGAAA 19



Beat Local Similarity 94.7%; P-nd. No. 2.9e+02;  
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 130 AGCGGAGAGACGACAAA 148  
 DB 1 AGCGGAGAGACGACAAA 19

RESULT 560  
 US-10-658-311-188  
 US-658-311-188 Application US/10698311  
 Publication No. US20040219672A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirna Therapeutics, Inc.  
 APPLICANT: Hasebille, Peter  
 APPLICANT: Chowitt, Barret  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MEM03-198-A)  
 CURRENT APPLICATION NUMBER: US/10/658,311  
 CURRENT FILING DATE: 2003-10-11  
 PRIOR FILING DATE: 2003-02-20 (US03/05028)  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20 60/353,124  
 PRIOR FILING DATE: 2002-02-11 60/353,124  
 PRIOR FILING DATE: 2002-02-11 60/353,124  
 PRIOR FILING DATE: 2002-06-06 60/393,796  
 PRIOR FILING DATE: 2002-07-01 60/393,796  
 PRIOR APPLICATION NUMBER: 60/393,348  
 PRIOR FILING DATE: 2002-07-26 60/406,784  
 PRIOR FILING DATE: 2002-08-22 60/409,293  
 PRIOR FILING DATE: 2002-09-06 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 188  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r

Query Match 1.1%; Score 17.4; DB 1; Length 19;  
 Beat Local Similarity 94.7%; P-nd. No. 2.9e+02;  
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 131 GCGCGGAGAGACGACAAA 149  
 DB 1 GCGCGGAGAGACGACAAA 19

RESULT 561  
 US-10-658-311-189  
 US-658-311-189 Application US/10698311  
 Publication No. US20040219672A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirna Therapeutics, Inc.  
 APPLICANT: Hasebille, Peter  
 APPLICANT: Chowitt, Barret  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MEM03-198-A)  
 CURRENT APPLICATION NUMBER: US/10/658,311  
 CURRENT FILING DATE: 2003-10-11  
 PRIOR FILING DATE: 2003-02-20 (US03/05028)  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20 60/353,124  
 PRIOR FILING DATE: 2002-02-11 60/353,124  
 PRIOR FILING DATE: 2002-06-06 60/393,796  
 PRIOR FILING DATE: 2002-07-01 60/393,796  
 PRIOR APPLICATION NUMBER: 60/393,348  
 PRIOR FILING DATE: 2002-07-26 60/406,784  
 PRIOR FILING DATE: 2002-08-22 60/409,293  
 PRIOR FILING DATE: 2002-09-06 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 189  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r

CURRENT APPLICATION NUMBER: US/10/658,311  
 CURRENT FILING DATE: 2003-10-11  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20 60/353,124  
 PRIOR FILING DATE: 2002-02-11 60/353,124  
 PRIOR FILING DATE: 2002-06-06 60/393,796  
 PRIOR FILING DATE: 2002-07-01 60/393,796  
 PRIOR APPLICATION NUMBER: 60/393,348  
 PRIOR FILING DATE: 2002-08-22 60/406,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/408,378  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 189  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r

Query Match 1.1%; Score 17.4; DB 1; Length 19;  
 Beat Local Similarity 94.7%; P-nd. No. 2.9e+02;  
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 132 GCGCGGAGAGACGACAAA 150  
 DB 1 GCGCGGAGAGACGACAAA 19

RESULT 562  
 US-10-658-311-190  
 US-658-311-190 Application US/10698311  
 Publication No. US20040219672A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirna Therapeutics, Inc.  
 APPLICANT: Hasebille, Peter  
 APPLICANT: Chowitt, Barret  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MEM03-198-A)  
 CURRENT APPLICATION NUMBER: US/10/658,311  
 CURRENT FILING DATE: 2003-10-11  
 PRIOR FILING DATE: 2003-02-20 (US03/05028)  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20 60/358,580  
 PRIOR FILING DATE: 2002-02-20 60/353,124  
 PRIOR FILING DATE: 2002-02-11 60/353,124  
 PRIOR FILING DATE: 2002-06-06 60/393,796  
 PRIOR FILING DATE: 2002-07-01 60/393,796  
 PRIOR APPLICATION NUMBER: 60/393,348  
 PRIOR FILING DATE: 2002-07-26 60/406,784  
 PRIOR FILING DATE: 2002-08-22 60/409,293  
 PRIOR FILING DATE: 2002-09-06 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 190  
 LENGTH: 19  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r

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/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIOR FILING DATE: 2003-01-15
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: SeqScribe version 3.2
/ SEQ ID NO 190
/ LENGTH: 19
/ TYPE: RNA
/ APPLICATION: Artificial Sequence
/ PENTRUER:
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-190
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 94.7% Pred. No.2,9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Cy 133 ACCGAGGAGGACCAAGG 151
1 ACCGAGGAGGACCAAGG 19

Db

RESULT 563
US-10-698-311-193
/ Publication No. US2004021671A1
/ GENERAL INFORMATION:
/ APPLICANT: Strata Therapeutics, Inc.
/ APPLICANT: Heesell, Peter
/ APPLICANT: Heesell, Peter
/ TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (IMH03-198-A)
/ NUCLEIC ACID (sRNA)
/ CURRENT FILING DATE: 2003-02-11
/ PRIOR APPLICATION NUMBER: US/10/698,311
/ PRIOR FILING DATE: 2003-02-20/0603/05028
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2003-02-20/60/353,124
/ PRIOR FILING DATE: 2002-03-11/60/386,782
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-06-06/60/393,796
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-07-29/60/406,784
/ PRIOR FILING DATE: 2002-08-29/60/409,293
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIOR FILING DATE: 2003-01-15
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 193
/ LENGTH: 19
/ TYPE: RNA
/ APPLICATION: Artificial Sequence
/ PENTRUER:
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-193
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 64.4% Pred. No.2,9e+02;
Matches 13; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Cy 192 TCGATGTGTGCAAAAT 210
1 GCGAGGAGGAGGAGGAGG 19

Db

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RESULT 564
US-10-698-311-194
/ Publication No. US2004021671A1
/ GENERAL INFORMATION:
/ APPLICANT: Strata Therapeutics, Inc.
/ APPLICANT: Heesell, Peter
/ APPLICANT: Heesell, Peter
/ TITLE OF INVENTION: RNA interference mediated treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (IMH03-198-A)
/ NUCLEIC ACID (sRNA)
/ CURRENT FILING DATE: 2003-02-11
/ PRIOR APPLICATION NUMBER: US/10/698,311
/ PRIOR FILING DATE: 2003-02-20/0603/05028
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2003-02-20/60/353,124
/ PRIOR FILING DATE: 2002-03-11/60/386,782
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-07-29
/ PRIOR APPLICATION NUMBER: 60/393,796
/ PRIOR FILING DATE: 2002-07-29/60/406,784
/ PRIOR FILING DATE: 2002-08-29/60/409,293
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIOR FILING DATE: 2003-01-15
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 194
/ LENGTH: 19
/ TYPE: RNA
/ APPLICATION: Artificial Sequence
/ PENTRUER:
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-698-311-194
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 73.7% Pred. No.2,9e+02;
Matches 14; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Cy 193 GCGAGGAGGAGGAGG 211
1 GCGAGGAGGAGGAGGAGG 19

Db

RESULT 565
US-10-698-311-195
/ Sequence 195: Application US/10698311
/ Publication No. US2004021671A1
/ GENERAL INFORMATION:
/ APPLICANT: Strata Therapeutics, Inc.
/ APPLICANT: Heesell, Peter
/ APPLICANT: Heesell, Peter
/ TITLE OF INVENTION: Short interfering Nucleic Acid (sRNA)
/ FILE REFERENCE: 400/137 (IMH03-198-A)
/ CURRENT FILING DATE: US/10/698,311
/ PRIOR APPLICATION NUMBER: PCT/US03/05028
/ PRIOR FILING DATE: 2003-02-20/60/358,580
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2003-02-20/60/353,124
/ PRIOR APPLICATION NUMBER: US 60/386,782

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APPLICANT: Mesajsen, James
APPLICANT: Chovvira, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CURRENT APPLICATION NUMBER: US/10/698,311
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: 60/393,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NO 198
SEQ ID NO 199
SEQ ID NO 200
LENGTH: 19
TYPE: RNA
FEATURES:
APPLICANT: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-198
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 73.7% Pred. No. 2-se-02;
Matches 14; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
DY 197 GCGGCGACGCGCGCGC 215
1 GCGGCGACGCGCGCGC 19
RESULT 569
US-10-698-311-199
Sequence 200: Application US/10698311
GENERAL INFORMATION:
APPLICANT: Alina Therapeutics, Inc.
APPLICANT: Chovvira, Bharat
APPLICANT: Mesajsen, James
APPLICANT: Heberlein, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CURRENT APPLICATION NUMBER: US/10/698,311
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: 60/393,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NO 198
SEQ ID NO 199
SEQ ID NO 200
LENGTH: 19
TYPE: RNA
FEATURES:
APPLICANT: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-200
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 73.7% Pred. No. 2-se-02;
Matches 14; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
DY 198 GCGGCGACGCGCGCGC 216
1 GCGGCGACGCGCGCGC 19

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PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-29
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ NAME: Patentin version 3.2
SEQ ID NO 198
SEQ ID NO 199
SEQ ID NO 200
LENGTH: 19
TYPE: RNA
FEATURES:
APPLICANT: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-199
Query Match 1.1% Score 17.4; DB 3; Length 19;
Best Local Similarity 73.7% Pred. No. 2-se-02;
Matches 14; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
DY 198 GCGGCGACGCGCGCGC 216
1 GCGGCGACGCGCGCGC 19
RESULT 570
US-10-698-311-200
Sequence 200: Application US/10698311
GENERAL INFORMATION:
APPLICANT: Alina Therapeutics, Inc.
APPLICANT: Chovvira, Bharat
APPLICANT: Mesajsen, James
APPLICANT: Heberlein, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CURRENT APPLICATION NUMBER: US/10/698,311
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: 60/393,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/409,393
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NO 198
SEQ ID NO 199
SEQ ID NO 200
LENGTH: 19
TYPE: RNA
FEATURES:
APPLICANT: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-200
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 73.7% Pred. No. 2-se-02;

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Matches 14/; Conservative 4/; Mismatches 1/; Indels 0/; Gaps 0/;

Qy 199 TGGCAGACATCGCTGAG 217  
 Db 1 TGGCAGACATCGCTGAG 19

RESULT 571  
 US-10-698-311-201  
 Sequence 201: Application US/10698311  
 Publication No. US2004021967A1  
 APPLICANT: Glaxo Therapeutics, Inc.  
 APPLICANT: Mesijsen, James  
 APPLICANT: Heberli, Peter  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MEMB03-198-A)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-26/60/358,580  
 PRIOR FILING DATE: 2002-03-16/60/363,124  
 PRIOR FILING DATE: 2002-06-06/60/393,796  
 PRIOR FILING DATE: 2002-07-29/60/393,796  
 PRIOR FILING DATE: 2002-07-03/60/393,796  
 PRIOR FILING DATE: 2002-07-29/60/393,796  
 PRIOR FILING DATE: 2002-07-29/60/406,784  
 PRIOR FILING DATE: 2002-08-23/60/408,378  
 PRIOR FILING DATE: 2002-09-05/60/409,293  
 PRIOR FILING DATE: 2002-09-03/60/409,293  
 PRIOR FILING DATE: 2002-09-03/60/440,129  
 PRIOR FILING DATE: 2003-01-15/60/440,129  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 201  
 TYPE: RNA  
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sRNA sense  
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sRNA sense

Query Match  
 Best Local Similarity 78.9%; Pctd No. 2.9e+02;  
 Matches 15/; Conservative 3/; Mismatches 1/; Indels 0/; Gaps 0/;

Db 200 TGGCAGACATCGCTGAG 218  
 1 TGGCAGACATCGCTGAG 19

RESULT 572  
 US-10-698-311-202  
 Sequence 202: Application US/10698311  
 Publication No. US2004021967A1  
 APPLICANT: Glaxo Therapeutics, Inc.  
 APPLICANT: Mesijsen, James  
 APPLICANT: Heberli, Peter  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MEMB03-198-A)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-26/60/358,580  
 PRIOR FILING DATE: 2002-03-16/60/363,124  
 PRIOR FILING DATE: 2002-06-06/60/393,796  
 PRIOR FILING DATE: 2002-07-29/60/393,796  
 PRIOR FILING DATE: 2002-07-03/60/393,796  
 PRIOR FILING DATE: 2002-07-29/60/393,796  
 PRIOR FILING DATE: 2002-08-23/60/408,378  
 PRIOR FILING DATE: 2002-09-05/60/409,293  
 PRIOR FILING DATE: 2002-09-03/60/409,293  
 PRIOR FILING DATE: 2002-09-03/60/440,129  
 PRIOR FILING DATE: 2003-01-15/60/440,129  
 NUMBER OF SEQ ID NOS: 311  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 202  
 TYPE: RNA  
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sRNA sense

CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2003-02-26/60/358,580  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20/60/363,124  
 PRIOR FILING DATE: 2002-03-16/60/363,124  
 PRIOR FILING DATE: 2002-06-06/60/393,796  
 PRIOR FILING DATE: 2002-07-29/60/393,796  
 PRIOR FILING DATE: 2002-07-03/60/393,796  
 PRIOR FILING DATE: 2002-07-29/60/393,796  
 PRIOR FILING DATE: 2002-08-23/60/406,784  
 PRIOR FILING DATE: 2002-09-05/60/408,378  
 PRIOR FILING DATE: 2002-09-03/60/409,293  
 PRIOR FILING DATE: 2002-09-03/60/409,293  
 PRIOR FILING DATE: 2003-01-15/60/440,129  
 NUMBER OF SEQ ID NOS: 312  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 203  
 LENGTH: 19  
 TYPE: RNA  
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sRNA sense

Query Match  
 Best Local Similarity 78.9%; Pctd No. 2.9e+02;  
 Matches 15/; Conservative 3/; Mismatches 1/; Indels 0/; Gaps 0/;

Db 201 TGGCAGACATCGCTGAG 219  
 1 TGGCAGACATCGCTGAG 19

RESULT 573  
 US-10-698-311-203  
 Sequence 203: Application US/10698311  
 Publication No. US2004021967A1  
 APPLICANT: Glaxo Therapeutics, Inc.  
 APPLICANT: Mesijsen, James  
 APPLICANT: Heberli, Peter  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/137 (MEMB03-198-A)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-26/60/358,580  
 PRIOR FILING DATE: 2002-03-16/60/363,124  
 PRIOR FILING DATE: 2002-06-06/60/393,796  
 PRIOR FILING DATE: 2002-07-29/60/393,796  
 PRIOR FILING DATE: 2002-07-03/60/393,796  
 PRIOR FILING DATE: 2002-07-29/60/393,796  
 PRIOR FILING DATE: 2002-08-23/60/408,378  
 PRIOR FILING DATE: 2002-09-05/60/409,293  
 PRIOR FILING DATE: 2002-09-03/60/409,293  
 PRIOR FILING DATE: 2002-09-03/60/440,129  
 PRIOR FILING DATE: 2003-01-15/60/440,129  
 NUMBER OF SEQ ID NOS: 313  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 204  
 TYPE: RNA  
 OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sRNA sense

PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SEQ ID NO 203  
 SEQ ID NO 203  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r

US-10-698-311-203

Query Match 1.1% Score 17.4; DB 1; Length 19;

Best Local Similarity: 64.2%; Pred. No. 2.9e-02;

Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

DB 203 GCAACAGCGCTGCTGAAAG 220

RESULT 574

US-10-698-311-204

Publication No. US20040219671A1

GENERAL INFORMATION: Application US/10698311

APPLICANT: Stim Therapeutics, Inc.

APPLICANT: Hebebell, Peter

APPLICANT: Chowrite, Bharat

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

TITLE REFERENCE: 400/137 (06H03-198-A)

CURRENT APPLICATION NUMBER: US/10/698,311

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SEQ ID NO 203  
 SEQ ID NO 203  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r

US-10-698-311-203

Query Match 1.1% Score 17.4; DB 1; Length 19;

Best Local Similarity: 64.2%; Pred. No. 2.9e-02;

Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

DB 203 GCAACAGCGCTGCTGAAAG 220

RESULT 575

US-10-698-311-204

Publication No. US20040219671A1

GENERAL INFORMATION: Application US/10698311

APPLICANT: Stim Therapeutics, Inc.

APPLICANT: Hebebell, Peter

APPLICANT: Chowrite, Bharat

TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using

TITLE REFERENCE: 400/137 (06H03-198-A)

CURRENT APPLICATION NUMBER: US/10/698,311

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2003-02-20 (0603/05028)

PRIOR APPLICATION NUMBER: US 60/358,580

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PRIORITY APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: 60/399,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/410,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NO: 206
LENGTH: 19
TYPE: RNA
ARTIFICIAL SEQUENCE
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-206
Query Match 1,1% Score 17.4; DB 1; Length 19;
Best Local Similarity 84.2% Pred. No. 2,9e+02;
Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Cy 205 AACGCGCTCGAGAACCC 223
Db 1 AACAGCCCTCGAGAACCC 19
RESULT 577
US-10-698-311-207
PRIORITY APPLICATION NUMBER: US/10698311
PUBLICATION NO. US20040219671A1
GENERAL INFORMATION:
APPLICANT: Sima Therapeutics, Inc.
APPLICANT: Hoechst, Peter
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (HMB03-198-A) Nucleic Acid (sRNA)
CURRENT APPLICATION NUMBER: US 60/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 207
LENGTH: 19
TYPE: RNA
ARTIFICIAL SEQUENCE
ORGANISM: Artificial Sequence

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FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-207
Query Match 1,1% Score 17.4; DB 1; Length 19;
Best Local Similarity 84.2% Pred. No. 2,9e+02;
Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Cy 206 AACGCGCTCGAGAACCC 224
Db 1 AACAGCCCTCGAGAACCC 19
RESULT 578
US-10-698-311-208
PRIORITY APPLICATION NUMBER: US/10698311
PUBLICATION NO. US20040219671A1
GENERAL INFORMATION:
APPLICANT: Sima Therapeutics, Inc.
APPLICANT: Hoechst, Peter
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (HMB03-198-A) Nucleic Acid (sRNA)
CURRENT APPLICATION NUMBER: US/60/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NO: 208
LENGTH: 19
TYPE: RNA
ARTIFICIAL SEQUENCE
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-698-311-208
Query Match 1,1% Score 17.4; DB 1; Length 19;
Best Local Similarity 84.2% Pred. No. 2,9e+02;
Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Cy 207 AACGCGCTCGAGAACCC 225
Db 1 AACAGCCCTCGAGAACCC 19
RESULT 579
US-10-698-311-209
PRIORITY APPLICATION NUMBER: US/10698311
PUBLICATION NO. US20040219671A1
GENERAL INFORMATION:
APPLICANT: Sima Therapeutics, Inc.
APPLICANT: Hoechst, Peter
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (HMB03-198-A) Nucleic Acid (sRNA)
CURRENT APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 310
SEQ ID NO: 209
LENGTH: 19
TYPE: RNA
ARTIFICIAL SEQUENCE
ORGANISM: Artificial Sequence

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/ PRIOR FILING DATE: 2002-06-06
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/405,744
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIOR FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: Patent version 3.2
/ SEQ ID NO 219
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE: INFORMATION: Description of Artificial Sequence: sRNA antisense region
US-10-698-311-219
Query Match 11% Score 17.4; DB 1; Length 19;
Sequence Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
DB 19 GCGAGCCGCGGAGGAGG 1

RESULT 589
US-10-698-311-220/C
/ Sequence 220, Application US/10698311
/ Publication No. US20040219671A1
/ APPLICANT: Astra Therapeutics, Inc.
/ APPLICANT: Hoechst, Pfizer
/ APPLICANT: Hoechst, Pfizer
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (IMB003-198-A)
/ CURRENT FILING DATE: 2003-10-31
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-20
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR APPLICATION NUMBER: US 60/363,124
/ PRIOR FILING DATE: 2002-01-16
/ PRIOR APPLICATION NUMBER: US 60/363,124
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-29
/ PRIOR APPLICATION NUMBER: US 60/406,784
/ PRIOR FILING DATE: 2002-08-06
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIOR FILING DATE: 2003-01-15
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: Patent version 3.2
/ SEQ ID NO 220
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE: INFORMATION: Description of Artificial Sequence: sRNA antisense region

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/ OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region
US-10-698-311-220
Query Match 11% Score 17.4; DB 1; Length 19;
Sequence Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
DB 19 GCGAGCCGCGGAGGAGG 1

RESULT 589
US-10-698-311-221/C
/ Sequence 221, Application US/10698311
/ Publication No. US20040219671A1
/ APPLICANT: Astra Therapeutics, Inc.
/ APPLICANT: Hoechst, Pfizer
/ APPLICANT: Hoechst, Pfizer
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (IMB003-198-A)
/ CURRENT FILING DATE: 2003-10-31
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR APPLICATION NUMBER: US 60/363,124
/ PRIOR FILING DATE: 2002-01-16
/ PRIOR APPLICATION NUMBER: US 60/363,124
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-20
/ PRIOR APPLICATION NUMBER: US 60/406,784
/ PRIOR FILING DATE: 2002-08-06
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIOR FILING DATE: 2003-01-15
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: Patent version 3.2
/ SEQ ID NO 221
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE: INFORMATION: Description of Artificial Sequence: sRNA antisense region
US-10-698-311-221
Query Match 11% Score 17.4; DB 1; Length 19;
Sequence Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
DB 19 GCGAGCCGCGGAGGAGG 1

RESULT 590
US-10-698-311-222/C
/ Sequence 222, Application US/10698311
/ Publication No. US20040219671A1
/ APPLICANT: Astra Therapeutics, Inc.
/ APPLICANT: Hoechst, Pfizer
/ APPLICANT: Hoechst, Pfizer
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (IMB003-198-A)
/ CURRENT FILING DATE: 2003-10-31
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR APPLICATION NUMBER: US 60/363,124
/ PRIOR FILING DATE: 2002-01-16
/ PRIOR APPLICATION NUMBER: US 60/363,124
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: US 60/393,796
/ PRIOR FILING DATE: 2002-07-29
/ PRIOR APPLICATION NUMBER: US 60/406,784
/ PRIOR FILING DATE: 2002-08-06
/ PRIOR APPLICATION NUMBER: US 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/409,293
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIOR FILING DATE: 2003-01-15
/ NUMBER OF SEQ ID NOS: 310
/ SOFTWARE: Patent version 3.2
/ SEQ ID NO 222
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE: INFORMATION: Description of Artificial Sequence: sRNA antisense region

```

```

APPLICANT: Chovvira, Bharat
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (06803-198-A)
/ CURRENT APPLICATION NUMBER: US/10/698,311
/ PRIORITY FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/399,348
/ PRIOR FILING DATE: 2002-07-29
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/409,393
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIORITY FILING DATE: 2003-01-15
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 222
/ LENGTH: 19
/ ORGANISM: Artificial Sequence
/ FEATURES:
/ OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-698-311-323
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DB 127 GAGACGCGGAGAGAGCA 145
19 GAGACGCGGAGAGAGCA 1

RESULT 592
US-10-698-311-323/6
/ Publication No. US2004021967A1
/ GENERAL INFORMATION:
/ APPLICANT: Chovvira, Bharat
/ APPLICANT: Hebeili, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (06803-198-A)
/ CURRENT APPLICATION NUMBER: US/10/698,311
/ PRIORITY FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/399,348
/ PRIOR FILING DATE: 2002-07-29
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/409,393
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIORITY FILING DATE: 2003-01-15
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 224
/ LENGTH: 19
/ ORGANISM: Artificial Sequence
/ FEATURES:
/ OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-698-311-324
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DB 128 GAGACGCGGAGAGAGCA 146
19 GAGACGCGGAGAGAGCA 1

RESULT 593
US-10-698-311-324/6
/ Publication No. US2004021967A1
/ GENERAL INFORMATION:
/ APPLICANT: Chovvira, Bharat
/ APPLICANT: Hebeili, Peter
/ TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
/ FILE REFERENCE: 400/137 (06803-198-A)
/ CURRENT APPLICATION NUMBER: US/10/698,311
/ PRIORITY FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: US 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: US 60/386,782
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR FILING DATE: 2002-07-03
/ PRIOR APPLICATION NUMBER: 60/399,348
/ PRIOR FILING DATE: 2002-07-29
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/409,393
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR FILING DATE: 2002-09-09
/ PRIOR APPLICATION NUMBER: US 60/440,129
/ PRIORITY FILING DATE: 2003-01-15
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 224
/ LENGTH: 19
/ ORGANISM: Artificial Sequence
/ FEATURES:
/ OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-698-311-324
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

OY 129 AGACGCGAAGGACGAA 147  
 DB 19 AGACGCGAAGGACGAA 1  
 RESULT 593  
 US-10-698-311-226/c  
 Sequence 225, Application US/10698311  
 Publication No. US2004021967A1  
 INVENTOR: Sirta Therapeutics, Inc.  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: Mesagen, James  
 APPLICANT: Hewlett, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US/10/698,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-07-20  
 PRIOR APPLICATION NUMBER: US 60/356,782  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SEQ ID NO: 25  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-225  
 Query Match 1,11; Score 17.4; MB 1; Length 19;  
 Best Local Similarity 94.7%; Pct. No. 2, 9e+02;  
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0  
 OY 130 AGACGCGAAGGACGAA 148  
 DB 19 AGACGCGAAGGACGAA 1  
 RESULT 594  
 US-10-698-311-226/c  
 Sequence 226, Application US/10698311  
 Publication No. US2004021967A1  
 INVENTOR: Sirta Therapeutics, Inc.  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: Mesagen, James  
 APPLICANT: Hewlett, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028

PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/356,580  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/366,782  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-09  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SEQ ID NO: 26  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
 US-10-698-311-226  
 Query Match 1,11; Score 17.4; MB 1; Length 19;  
 Best Local Similarity 94.7%; Pct. No. 2, 9e+02;  
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0  
 OY 131 GACGCGAAGGACGAA 149  
 DB 19 GACGCGAAGGACGAA 1  
 RESULT 595  
 US-10-698-311-227/c  
 Sequence 227, Application US/10698311  
 Publication No. US2004021967A1  
 INVENTOR: Sirta Therapeutics, Inc.  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: Mesagen, James  
 APPLICANT: Hewlett, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 60/350,580  
 PRIOR FILING DATE: 2002-02-30  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-04-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-03  
 PRIOR APPLICATION NUMBER: US 60/406,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/409,293  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310

SEQ NAME: Patentin version 3.2  
 SEQ ID NO: 229  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 Query Match  
 Beat Local Similarity 94.7% Pred. No. 2.9e+02  
 Matches 18: Conservative 1: Mismatches 1: Indels 0: Gaps 0:  
 Db 132 CACCGGAGGACCAAGAA 150  
 19 CACCGGAGGACCAAGAA 1

RESULT 596  
 US-10-698-311-229/c  
 Sequence 229: Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mes-Adigen, James  
 APPLICANT: Chovvita, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 TITLE REFERENCE: Short Interfering Nucleic Acid (siRNA)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/386,782  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/405,784  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,793  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patentin version 3.2  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 Query Match  
 Beat Local Similarity 94.7% Pred. No. 2.9e+02  
 Matches 18: Conservative 1: Mismatches 1: Indels 0: Gaps 0:  
 Db 133 ACGCAGGACCAAGAA 151  
 19 ACGCAGGACCAAGAA 1

RESULT 597  
 US-10-698-311-231/c

Sequence 231: Application US/10698311  
 Application No. US2004021967A1  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mes-Adigen, James  
 APPLICANT: Hoescheil, Peter  
 APPLICANT: Chovvita, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 TITLE REFERENCE: Short Interfering Nucleic Acid (siRNA)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-03-11  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/405,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/409,793  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,793  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310  
 SOFTWARE: Patentin version 3.2  
 LENGTH: 19  
 TYPE: RNA  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 US-10-698-311-231  
 Query Match  
 Beat Local Similarity 94.7% Pred. No. 2.9e+02  
 Matches 18: Conservative 1: Indels 0: Gaps 0:  
 Db 132 TCGATGGTGGCAACG 210  
 19 TCGATGGTGGCAACG 1

RESULT 598  
 US-10-698-311-232/c  
 Sequence 232: Application US/10698311  
 GENERAL INFORMATION:  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mes-Adigen, James  
 APPLICANT: Hoescheil, Peter  
 APPLICANT: Chovvita, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 TITLE REFERENCE: Short Interfering Nucleic Acid (siRNA)  
 CURRENT FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/358,580  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-02-20  
 PRIOR APPLICATION NUMBER: US 60/363,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: US 60/405,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: US 60/409,793  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/409,793  
 PRIOR FILING DATE: 2002-09-05  
 PRIOR APPLICATION NUMBER: US 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 NUMBER OF SEQ ID NOS: 310







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Db      19 GTCGCACAGATCTCGTCA 1
RESULT 604
US-10-698-311-238/c
Sequence 239, Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Hebbell, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (WBH03-198-A)
CURRENT FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/399,348
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: PCT/US03/05028
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2
SEQ ID NO 238
TYPE: RNA
ORIGIN: Artificial Sequence
ORIGIN: Description of Artificial Sequence: siNA antisense region
Query Match 1.1% Score 17.4; DB 1; Length 19;
Similarity 94.7% Pct. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
199 GTCGCACAGATCTCGTCA 217
Db      19 GTCGCACAGATCTCGTCA 1
RESULT 605
US-10-698-311-239/c
Sequence 239, Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Hebbell, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (WBH03-198-A)
CURRENT FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/399,348
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: PCT/US03/05028
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2
US-10-698-311-240/c
Application US/10698311
Publication No. US2004021967A1
GENERAL INFORMATION:
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Hebbell, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/137 (WBH03-198-A)
CURRENT FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/399,348
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: PCT/US03/05028
NUMBER OF SEQ ID NOS: 310
SOFTWARE: PatentIn version 3.2

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1 SEQ ID NO 240
2 SEQ LENGTH: 19
3 TYPE: RNA
4 ORIGINISM: Artificial Sequence
5 COMMENT: sRNA antisense region
6
7 Query Match
8 11: Score 17.4; DB 1; Length 19;
9 11: Sequence similarity: 94%; GC: 36-02;
10 Matches 18; Conservative 1; Mismatches 0; Gaps 0;
11
12 DB 201 GCGACACGTCTCGAGAA 219
13 GCGACACGTCTCGAGAA 1
14
15 RESULT 607
16 US-10-698-311-242/c
17 Sequence 241, Application US/10698311
18 GENE/PROTEIN NO: US2004021967A1
19 APPLICANT: Astra Therapeutics, Inc.
20 APPLICANT: Heberill, Peter
21 APPLICANT: MesiAgem, James
22 APPLICANT: Chavarriz, Rhirel
23 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
24 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
25 CURRENT FILING DATE: 2003-10-31/0/698,311
26 PRIOR FILING DATE: 2003-10-31/0/698,311
27 PRIOR APPLICATION NUMBER: PCT/US03/05028
28 PRIOR APPLICATION NUMBER: US 60/358,580
29 PRIOR FILING DATE: 2002-02-20/0/358,580
30 PRIOR APPLICATION NUMBER: US 60/363,124
31 PRIOR FILING DATE: 2002-06-06/0/363,782
32 PRIOR APPLICATION NUMBER: US 60/393,796
33 PRIOR FILING DATE: 2002-07-29/0/393,796
34 PRIOR APPLICATION NUMBER: US 60/406,784
35 PRIOR FILING DATE: 2002-08-19/0/406,784
36 PRIOR APPLICATION NUMBER: US 60/409,293
37 PRIOR FILING DATE: 2002-09-05/0/409,293
38 PRIOR APPLICATION NUMBER: US 60/440,129
39 PRIOR FILING DATE: 2003-01-15/0/440,129
40 NUMBER OF SEQ ID NOS: 310
41 SOFTWARE: PatentIn version 3.2
42 SEQ ID NO 241
43 LENGTH: 19
44 TYPE: RNA
45 ORIGINISM: Artificial Sequence
46 COMMENT: sRNA antisense region
47
48 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region
49 US-10-698-311-241
50
51 Query Match
52 11: Score 17.4; DB 1; Length 19;
53 11: Sequence similarity: 94%; GC: 36-02;
54 Matches 18; Conservative 1; Mismatches 0; Gaps 0;
55
56 DB 202 GCGACACGTCTCGAGAA 220
57 GCGACACGTCTCGAGAA 1
58
59 RESULT 608
60 US-10-698-311-242/c
61 Sequence 242, Application US/10698311

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1 Publication No. US2004021967A1
2 GENERAL INFORMATION:
3 GENE/PROTEIN NO: US2004021967A1
4 APPLICANT: MesiAgem, James
5 APPLICANT: Heberill, Peter
6 APPLICANT: Chavarriz, Rhirel
7 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
8 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
9 CURRENT FILING DATE: 2003-10-31/0/698,311
10 PRIOR APPLICATION NUMBER: PCT/US03/05028
11 PRIOR FILING DATE: 2002-02-20/0/358,580
12 PRIOR APPLICATION NUMBER: US 60/358,580
13 PRIOR FILING DATE: 2002-03-11/0/363,124
14 PRIOR APPLICATION NUMBER: US 60/363,124
15 PRIOR FILING DATE: 2002-06-06/0/363,782
16 PRIOR APPLICATION NUMBER: US 60/393,796
17 PRIOR FILING DATE: 2002-07-29/0/393,796
18 PRIOR APPLICATION NUMBER: 60/393,796
19 PRIOR FILING DATE: 2002-08-29/0/406,784
20 PRIOR APPLICATION NUMBER: US 60/406,784
21 PRIOR FILING DATE: 2002-09-05/0/409,293
22 PRIOR APPLICATION NUMBER: US 60/409,293
23 PRIOR FILING DATE: 2002-09-09/0/440,129
24 PRIOR APPLICATION NUMBER: US 60/440,129
25 NUMBER OF SEQ ID NOS: 310
26 SOFTWARE: PatentIn version 3.2
27 SEQ ID NO 242
28 LENGTH: 19
29 TYPE: RNA
30 ORIGINISM: Artificial Sequence
31 COMMENT: sRNA antisense region
32
33 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region
34 US-10-698-311-242
35
36 Query Match
37 11: Score 17.4; DB 1; Length 19;
38 11: Sequence similarity: 94%; GC: 36-02;
39 Matches 18; Conservative 1; Mismatches 0; Gaps 0;
40
41 DB 203 GCGACACGTCTCGAGAA 221
42 GCGACACGTCTCGAGAA 1
43
44 RESULT 609
45 US-10-698-311-243/c
46 Sequence 243, Application US/10698311
47 GENE/PROTEIN NO: US2004021967A1
48 APPLICANT: MesiAgem, James
49 APPLICANT: Heberill, Peter
50 APPLICANT: Chavarriz, Rhirel
51 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
52 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
53 CURRENT FILING DATE: 2003-10-31/0/698,311
54 PRIOR APPLICATION NUMBER: PCT/US03/05028
55 PRIOR FILING DATE: 2002-02-20/0/358,580
56 PRIOR APPLICATION NUMBER: US 60/358,580
57 PRIOR FILING DATE: 2002-03-11/0/363,124
58 PRIOR APPLICATION NUMBER: US 60/363,124
59 PRIOR FILING DATE: 2002-06-06/0/363,782
60 PRIOR APPLICATION NUMBER: US 60/393,796
61 PRIOR FILING DATE: 2002-07-29/0/393,796
62 PRIOR APPLICATION NUMBER: US 60/406,784
63 PRIOR FILING DATE: 2002-08-19/0/406,784
64 PRIOR APPLICATION NUMBER: US 60/409,293
65 PRIOR FILING DATE: 2002-09-05/0/409,293
66 PRIOR APPLICATION NUMBER: US 60/440,129
67 PRIOR FILING DATE: 2003-01-15/0/440,129
68 NUMBER OF SEQ ID NOS: 310
69 SOFTWARE: PatentIn version 3.2
70 SEQ ID NO 243
71 LENGTH: 19
72 TYPE: RNA
73 ORIGINISM: Artificial Sequence
74 COMMENT: sRNA antisense region
75
76 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region
77 US-10-698-311-243
78
79 Query Match
80 11: Score 17.4; DB 1; Length 19;
81 11: Sequence similarity: 94%; GC: 36-02;
82 Matches 18; Conservative 1; Mismatches 0; Gaps 0;
83
84 DB 204 GCGACACGTCTCGAGAA 221
85 GCGACACGTCTCGAGAA 1
86
87 RESULT 610
88 US-10-698-311-244/c
89 Sequence 244, Application US/10698311
90 GENE/PROTEIN NO: US2004021967A1
91 APPLICANT: MesiAgem, James
92 APPLICANT: Heberill, Peter
93 APPLICANT: Chavarriz, Rhirel
94 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
95 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
96 CURRENT FILING DATE: 2003-10-31/0/698,311
97 PRIOR APPLICATION NUMBER: PCT/US03/05028
98 PRIOR FILING DATE: 2002-02-20/0/358,580
99 PRIOR APPLICATION NUMBER: US 60/358,580
100 PRIOR FILING DATE: 2002-03-11/0/363,124
101 PRIOR APPLICATION NUMBER: US 60/363,124
102 PRIOR FILING DATE: 2002-06-06/0/363,782
103 PRIOR APPLICATION NUMBER: US 60/393,796
104 PRIOR FILING DATE: 2002-07-29/0/393,796
105 PRIOR APPLICATION NUMBER: US 60/406,784
106 PRIOR FILING DATE: 2002-08-19/0/406,784
107 PRIOR APPLICATION NUMBER: US 60/409,293
108 PRIOR FILING DATE: 2002-09-05/0/409,293
109 PRIOR APPLICATION NUMBER: US 60/440,129
110 PRIOR FILING DATE: 2003-01-15/0/440,129
111 NUMBER OF SEQ ID NOS: 310
112 SOFTWARE: PatentIn version 3.2
113 SEQ ID NO 244
114 LENGTH: 19
115 TYPE: RNA
116 ORIGINISM: Artificial Sequence
117 COMMENT: sRNA antisense region
118
119 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region
120 US-10-698-311-244

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PRIOR FILING DATE: 2002-07-03
PRIOR FILING NUMBER: 60/393,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-26
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ IDS NOS: 310
SOFTWARE: Patent version 3.2
SEQUENCE LENGTH: 19
SEQUENCE TYPE: RNA
APPLICANT: McSwiggen, James
ORIGINATOR: McSwiggen, James
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-243
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Significantly 94.7% Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
204 CAGACGCTCGTAAAGC 222
DB 19 AAGATGCTCGTAAAGCA 1
RESULT 610
US-10-698-311-244/c
Sequence 244, Application US/10698311
GENERAL INFORMATION: US/10698311
APPLICANT: McSwiggen, James
ORIGINATOR: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
CURRENT FILING DATE: 2003-10-11
CURRENT APPLICATION NUMBER: US/10698311
PRIOR FILING DATE: 2003-07-03
PRIOR APPLICATION NUMBER: 60/393,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: 60/393,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ IDS NOS: 310
SOFTWARE: Patent version 3.2
SEQUENCE LENGTH: 19
SEQUENCE TYPE: RNA
APPLICANT: McSwiggen, James
ORIGINATOR: McSwiggen, James
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-244

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Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Significantly 94.7% Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
205 AAGATGCTCGTAAAGC 223
DB 19 AAGATGCTCGTAAAGCA 1
RESULT 611
US-10-698-311-245/c
Sequence 245, Application US/10698311
GENERAL INFORMATION: US/10698311
APPLICANT: McSwiggen, James
ORIGINATOR: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
CURRENT FILING DATE: 2003-10-11
CURRENT APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-07-03
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: 60/393,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ IDS NOS: 310
SOFTWARE: Patent version 3.2
SEQUENCE LENGTH: 19
SEQUENCE TYPE: RNA
APPLICANT: McSwiggen, James
ORIGINATOR: McSwiggen, James
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-245
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Significantly 94.7% Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
206 AAGATGCTCGTAAAGC 224
DB 19 AAGATGCTCGTAAAGCA 1
RESULT 612
US-10-698-311-246/c
Sequence 246, Application US/10698311
GENERAL INFORMATION: US/10698311
APPLICANT: McSwiggen, James
ORIGINATOR: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)
CURRENT FILING DATE: 2003-10-11
CURRENT APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-07-03
PRIOR APPLICATION NUMBER: 60/393,796
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: 60/393,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ IDS NOS: 310
SOFTWARE: Patent version 3.2
SEQUENCE LENGTH: 19
SEQUENCE TYPE: RNA
APPLICANT: McSwiggen, James
ORIGINATOR: McSwiggen, James
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-698-311-246

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/ Remaining Prior Application data removed - See File Wrapper or PAM.  
 / NUMBER OF SEQ ID NOS: 374  
 / SOFTWARE: PatentIn version 3.3  
 / SEQ ID LENGTH: 19  
 / TYPE: RNA  
 / ORGANISM: Artificial Sequence  
 / OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense 2  
 US-10-861-060-117  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity: 84.2% Prd: NO.2-9e+02;  
 Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
 Db 1 GUGGCGGAGACGCGCG 138  
 RESULT 618  
 US-10-861-060-178  
 / Sequence 178, Application US/10681060  
 / Publication No. US2005013715N1  
 / GENERAL INFORMATION:  
 / APPLICANT: Astra Therapeutics, Inc.  
 / APPLICANT: MesuSagen, James  
 / APPLICANT: Chovetix, Sherec  
 / TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 / CURRENT APPLICATION NUMBER: US/10/861,060  
 / CURRENT FILING DATE: 2004-06-03  
 / PRIOR APPLICATION NUMBER: US/10/698,311  
 / PRIOR FILING DATE: 2004-04-16  
 / PRIOR APPLICATION NUMBER: US/10/826,966  
 / PRIOR FILING DATE: 2004-04-16  
 / PRIOR APPLICATION NUMBER: US/10/757,803  
 / PRIOR FILING DATE: 2003-11-24  
 / PRIOR APPLICATION NUMBER: US/10/693,059  
 / PRIOR FILING DATE: 2003-05-22  
 / PRIOR APPLICATION NUMBER: PCT/US03/05346  
 / PRIOR FILING DATE: 2003-02-20  
 / PRIOR APPLICATION NUMBER: PCT/US03/05028  
 / PRIOR FILING DATE: 2003-02-20  
 / PRIOR APPLICATION NUMBER: PCT/US04/13456  
 / PRIOR FILING DATE: 2004-04-16  
 / Remaining Prior Application data removed - See File Wrapper or PAM.  
 / NUMBER OF SEQ ID NOS: 374  
 / SOFTWARE: PatentIn version 3.3  
 / SEQ ID NO 178  
 / LENGTH: 19  
 / TYPE: RNA  
 / ORGANISM: Artificial Sequence  
 / OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense 2  
 US-10-861-060-178  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity: 84.2% Prd: NO.2-9e+02;  
 Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
 Db 1 GUGGCGGAGACGCGCG 138

RESULT 619  
 US-10-861-060-179  
 / Sequence 180, Application US/10681060  
 / Publication No. US2005013715N1  
 / GENERAL INFORMATION:  
 / APPLICANT: Astra Therapeutics, Inc.  
 / APPLICANT: MesuSagen, James  
 / APPLICANT: Chovetix, Sherec  
 / TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 / CURRENT APPLICATION NUMBER: US/10/861,060  
 / CURRENT FILING DATE: 2004-06-03  
 / PRIOR APPLICATION NUMBER: US/10/698,311  
 / PRIOR FILING DATE: 2004-04-16  
 / PRIOR APPLICATION NUMBER: US/10/826,966  
 / PRIOR FILING DATE: 2004-04-16  
 / PRIOR APPLICATION NUMBER: US/10/757,803  
 / PRIOR FILING DATE: 2004-01-14  
 / PRIOR APPLICATION NUMBER: US/10/720,448  
 / PRIOR FILING DATE: 2003-11-24  
 / PRIOR APPLICATION NUMBER: US/10/693,059  
 / PRIOR FILING DATE: 2003-10-23  
 / PRIOR APPLICATION NUMBER: US/10/444,453  
 / PRIOR FILING DATE: 2003-05-22  
 / PRIOR APPLICATION NUMBER: PCT/US03/05346  
 / PRIOR FILING DATE: 2003-02-20  
 / PRIOR APPLICATION NUMBER: PCT/US03/05028  
 / PRIOR FILING DATE: 2003-02-20  
 / PRIOR APPLICATION NUMBER: PCT/US04/13456  
 / PRIOR FILING DATE: 2004-04-16  
 / Remaining Prior Application data removed - See File Wrapper or PAM.  
 / NUMBER OF SEQ ID NOS: 374  
 / SOFTWARE: PatentIn version 3.3  
 / SEQ ID NO 179  
 / LENGTH: 19  
 / TYPE: RNA  
 / ORGANISM: Artificial Sequence  
 / OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense 2  
 US-10-861-060-179  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity: 84.2% Prd: NO.2-9e+02;  
 Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
 Db 1 GUGGCGGAGACGCGCG 140  
 RESULT 620  
 US-10-861-060-180  
 / Sequence 180, Application US/10681060  
 / Publication No. US2005013715N1  
 / GENERAL INFORMATION:  
 / APPLICANT: Astra Therapeutics, Inc.  
 / APPLICANT: MesuSagen, James  
 / APPLICANT: Chovetix, Sherec  
 / TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 / CURRENT APPLICATION NUMBER: US/10/861,060  
 / CURRENT FILING DATE: 2004-06-03  
 / PRIOR APPLICATION NUMBER: US/10/698,311  
 / PRIOR FILING DATE: 2004-04-16  
 / PRIOR APPLICATION NUMBER: US/10/826,966  
 / PRIOR FILING DATE: 2004-04-16  
 / PRIOR APPLICATION NUMBER: US/10/757,803  
 / PRIOR FILING DATE: 2004-01-14  
 / PRIOR APPLICATION NUMBER: US/10/720,448  
 / PRIOR FILING DATE: 2003-11-24  
 / PRIOR APPLICATION NUMBER: US/10/693,059  
 / PRIOR FILING DATE: 2003-10-23  
 / PRIOR APPLICATION NUMBER: US/10/444,453  
 / PRIOR FILING DATE: 2003-05-22  
 / PRIOR APPLICATION NUMBER: PCT/US03/05346  
 / PRIOR FILING DATE: 2003-02-20  
 / PRIOR APPLICATION NUMBER: PCT/US03/05028  
 / PRIOR FILING DATE: 2003-02-20  
 / PRIOR APPLICATION NUMBER: PCT/US04/13456  
 / PRIOR FILING DATE: 2004-04-16  
 / Remaining Prior Application data removed - See File Wrapper or PAM.  
 / NUMBER OF SEQ ID NOS: 374  
 / SOFTWARE: PatentIn version 3.3  
 / SEQ ID NO 180  
 / LENGTH: 19  
 / TYPE: RNA  
 / ORGANISM: Artificial Sequence  
 / OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense 2  
 US-10-861-060-180  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity: 84.2% Prd: NO.2-9e+02;  
 Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
 Db 1 GUGGCGGAGACGCGCG 140

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PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-10
PRIOR APPLICATION NUMBER: PCT/US04/13456
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 180
1 10698311.1
TYPE: RNA
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: Target Sequence/ALN sense
Publication No. US20050137155A1
APPLICANT: McSigen, James
APPLICANT: Hewlett, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (MBR04-372-N)
CURRENT APPLICATION NUMBER: US10/661,060
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-10
PRIOR APPLICATION NUMBER: PCT/US04/13456
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
Remaining Prior Application data removed - See File Wrapper or PALM.
SOURCE: PatentIn version 3.3

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SEQ ID NO 181
1 10698311.1
TYPE: RNA
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: Target Sequence/ALN sense
Publication No. US20050137155A1
APPLICANT: McSigen, James
APPLICANT: Hewlett, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (MBR04-372-N)
CURRENT APPLICATION NUMBER: US10/661,060
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
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PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
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NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO 182
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TYPE: RNA
ORGANISM: Artificial Sequence
GENERAL INFORMATION: Description of Artificial Sequence: Target Sequence/ALN sense
Publication No. US20050137155A1
APPLICANT: McSigen, James
APPLICANT: Hewlett, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCE: 400/162 (MBR04-372-N)
CURRENT APPLICATION NUMBER: US10/661,060
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/699,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-10
PRIOR APPLICATION NUMBER: PCT/US04/13456
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
Remaining Prior Application data removed - See File Wrapper or PALM.
SOURCE: PatentIn version 3.3

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Sequence 183, Application US/10681060  
 GENERAL INFORMATION: US/10681060  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US/10/681,060  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US/10/659,311  
 PRIOR APPLICATION NUMBER: US/10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US/10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US/10/720,448  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US/10/653,059  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-05-23  
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 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
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 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO 183  
 LENGTH: 19  
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 FEATURE: Description of Artificial Sequence: Target Sequence/siRNA sense  
 US-10-681,060-183  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7% Pred. No. 2.9e-02;  
 Matches 18/ Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
 DB 126 CAAAGCGCGCAAAAGC 144  
 1 AAGAGACACACACACAC 19  
 RESULT 425  
 Sequence 184, Application US/10681060  
 GENERAL INFORMATION: US/10681060  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US/10/681,060  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US/10/659,311  
 PRIOR APPLICATION NUMBER: US/10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US/10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US/10/720,448  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US/10/653,059  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US/10/659311  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
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 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence: Target Sequence/siRNA sense  
 US-10-681,060-184  
 OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siRNA sense  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7% Pred. No. 2.9e-02;  
 Matches 18/ Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
 DB 127 AAGAGACACACACAC 145  
 1 AAGAGACACACACAC 19  
 RESULT 425  
 Sequence 185, Application US/10681060  
 GENERAL INFORMATION: US/10681060  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US/10/681,060  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US/10/659,311  
 PRIOR APPLICATION NUMBER: US/10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US/10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US/10/720,448  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US/10/653,059  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US/10/659311  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining prior Application data removed - See File Wrapper or PALM.  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO 185  
 LENGTH: 19  
 TYPE: RNA

Sequence 186, Application US/10681060  
 GENERAL INFORMATION: US/10681060  
 APPLICANT: Astra Therapeutics, Inc.  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 APPLICANT: Mesagen, James  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT APPLICATION NUMBER: US/10/681,060  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US/10/659,311  
 PRIOR APPLICATION NUMBER: US/10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US/10/757,803  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US/10/720,448  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US/10/653,059  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: US/10/659311  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining prior Application data removed - See File Wrapper or PALM.  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO 186  
 LENGTH: 19  
 TYPE: RNA





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PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05088
PRIOR FILING DATE: 2003-10-31/06/98311
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining Prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
SEQ ID NO: 198
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-861-060-189
Query Match
Best Local Similarity 94.7% Pctd No. 2.9e+02;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Cy 131 CCGCGGAGGAGGAGGAGG 149
DB 1 CCGCGGAGGAGGAGGAGG 19

RESULT 629
US-10-861-060-189
Sequence 189, Application US/10661060
GENERAL INFORMATION
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Mesi-Adigen, James
APPLICANT: Chovetia, Robert
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
CURRENT FILING DATE: 2004-06-03/0/661,060
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US 10/826,566
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 190
SOFTWARE: PatentIn version 3.3
SEQ ID NO: 189
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-861-060-189
Query Match
Best Local Similarity 94.7% Pctd No. 2.9e+02;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Cy 131 CCGCGGAGGAGGAGGAGG 149
DB 1 CCGCGGAGGAGGAGGAGG 19

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US-10-861-060-189
Query Match
Best Local Similarity 94.7% Pctd No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Cy 132 CCGCGGAGGAGGAGGAGG 150
DB 1 CCGCGGAGGAGGAGGAGG 19

RESULT 630
US-10-861-060-190
Sequence 190, Application US/10661060
GENERAL INFORMATION
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Mesi-Adigen, James
APPLICANT: Chovetia, Robert
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
CURRENT FILING DATE: 2004-06-03/0/661,060
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US 10/826,566
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 190
SOFTWARE: PatentIn version 3.3
SEQ ID NO: 190
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-861-060-190
Query Match
Best Local Similarity 94.7% Pctd No. 2.9e+02;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Cy 133 ACGGAGGAGGAGGAGGAGG 151
DB 1 ACGGAGGAGGAGGAGGAGG 19

RESULT 631
US-10-861-060-193
Sequence 193, Application US/10661060
GENERAL INFORMATION
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Mesi-Adigen, James
APPLICANT: Chovetia, Robert
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
CURRENT FILING DATE: 2004-06-03/0/661,060
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US 10/826,566
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See file Wrapper or PALM.
NUMBER OF SEQ ID NOS: 190
SOFTWARE: PatentIn version 3.3
SEQ ID NO: 193
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-861-060-193
Query Match
Best Local Similarity 94.7% Pctd No. 2.9e+02;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Cy 133 ACGGAGGAGGAGGAGGAGG 151
DB 1 ACGGAGGAGGAGGAGGAGG 19

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APPLICANT: Chowrite, Bharat
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCES: 000 Numbers: 05/10/681,060
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/692,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/644,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2003-10-27/US04/13456
PRIOR FILING DATE: 2004-04-10
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SEQUENCE: Patent version 3.3
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-661-060-193
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 68.4%; Pct. No. 2.9e+02;
Matches 13; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
1 GCACGCGGCGACGACG 19
DB 1 GCACGCGGCGACGACG 19
RESULT 632
US-10-661-060-194
Application US/10681060
Publication No. US2005013155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Chowrite, Bharat
APPLICANT: Heberich, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCES: 400/163 (06/0804-372-2)
CURRENT FILING DATE: 2004-06-03/0698,311
PRIOR APPLICATION NUMBER: US/10/681,060
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2004-04-10
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SEQUENCE: Patent version 3.3
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-661-060-193
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 68.4%; Pct. No. 2.9e+02;
Matches 13; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
1 GCACGCGGCGACGACG 19
DB 1 GCACGCGGCGACGACG 19

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PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 05/10/681,060
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SEQUENCE: Patent version 3.3
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense r
US-10-661-060-194
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 73.7%; Pct. No. 2.9e+02;
Matches 14; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
1 GCACGCGGCGACGACG 211
DB 1 GCACGCGGCGACGACG 19
RESULT 633
US-10-661-060-195
Application US/10681060
Publication No. US2005013155A1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Chowrite, Bharat
APPLICANT: Heberich, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
FILE REFERENCES: 400/163 (06/0804-372-2)
CURRENT FILING DATE: 2004-06-03/0698,311
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2004-04-10
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SEQUENCE: Patent version 3.3
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense
US-10-661-060-193
Query Match 1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 68.4%; Pct. No. 2.9e+02;
Matches 13; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
1 GCACGCGGCGACGACG 19
DB 1 GCACGCGGCGACGACG 19

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PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR PCT NUMBER: US 2003/010826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR PCT NUMBER: US 2003/010720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR PCT NUMBER: US 2003/010444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR PCT NUMBER: US 2003/050508
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2003-10-31
PRIOR PCT NUMBER: US 2003/010444,853
PRIOR FILING DATE: 2004-04-16
Remaining prior application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 201
LENGTH: 19
TYPE: RNA
ORIGIN: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense 5'
US-10-861-060-203
Query Match
1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 2-9e-02;
Matches 15; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
DB 1 GENECAACGCTGCGAGAG 219
1 GGGCCACAGGCGCGAGAG 19

RESULT 640
US-10-861-060-203
Publication No. US2005013155A1
GENERAL INFORMATION:
APPLICANT: Strim Therapeutics, Inc.
INVENTOR: Strim Therapeutics, Inc.
APPLICANT: Chowers, Peter
INVENTOR: Chowers, Peter
TITLE OF INVENTION: sRNA interference mediated treatment of Parkinson Disease Using
sRNA interference mediated treatment of Parkinson Disease Using Nucleic Acid (sRNA)
FILE REFERENCE: 400/652 (068004-372-20)
CURRENT FILING DATE: 2004-06-03
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/05346
PRIOR FILING DATE: 2004-04-16
PRIOR PCT NUMBER: US 2003/010720,448
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US04/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456

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PRIOR FILING DATE: 2004-04-30
Remaining prior application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 202
LENGTH: 19
TYPE: RNA
ORIGIN: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense 5'
US-10-861-060-202
Query Match
1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 2-9e-02;
Matches 15; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
DB 201 GENECAACGCTGCGAGAG 219
1 GGGCCACAGGCGCGAGAG 19

RESULT 641
US-10-861-060-203
Publication No. US2005013155A1
GENERAL INFORMATION:
APPLICANT: Strim Therapeutics, Inc.
INVENTOR: Strim Therapeutics, Inc.
APPLICANT: Chowers, Peter
INVENTOR: Chowers, Peter
TITLE OF INVENTION: sRNA interference mediated treatment of Parkinson Disease Using
sRNA interference mediated treatment of Parkinson Disease Using Nucleic Acid (sRNA)
FILE REFERENCE: 400/652 (068004-372-20)
CURRENT FILING DATE: 2004-06-03
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2004-04-16
PRIOR PCT NUMBER: US 2003/010720,448
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: PCT/US04/05346
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US04/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2003-04-30
Remaining prior application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 203
LENGTH: 19
TYPE: RNA
ORIGIN: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sRNA sense 5'
US-10-861-060-203
Query Match
1.1% Score 17.4; DB 1; Length 19;
Best Local Similarity 78.9%; Pred. No. 2-9e-02;
Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
DB 202 GENECAACGCTGCGAGAG 220
1 GGGCCACAGGCGCGAGAG 19

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GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
INVENTOR: Michael J. James
APPLICANT: McGraw-Hill, Peter
PRIORITY DATE: 2004-06-17
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using Antisense Nucleic Acid
CURRENT FILING DATE: 2004-06-03/0861,960
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31/0/826,366
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,403
PRIOR FILING DATE: 2004-01-14
PRIOR FILING DATE: 2003-10-31/0/720,448
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-06-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR FILING DATE: 2003-02-20
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOs: 374
SEQ ID NO 1
SEQ ID NO 214
LENGTH: 19
TYPE: RNA
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
US-10-661-660-214
Query Match      1 1% Score 17.4; DP 1; Length 19;
Best Local Similarity 94.7%; Pool No 2 aa=02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
          119 GGGGCGCCAGACGCGC 137
Db           CGATTCGCACCATTCACTA 1
RESULT 651.
US-10-661-060-215/c
Sequence 215, Application US/10981060
GENERAL INFORMATION:US05013195SA1
APPLICANT: Sigma Therapeutics, Inc.
INVENTOR: Michael J. James
APPLICANT: McGraw-Hill, Peter
PRIORITY DATE: 2004-06-17
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using Antisense Nucleic Acid
CURRENT FILING DATE: 2004-06-03/0861,960
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2003-10-31/0/826,366
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR FILING DATE: 2003-10-31/0/720,448
PRIOR APPLICATION NUMBER: US 10/693,059

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PRION FLILING DATE: 2003-10-23
PRION APPLICATION NUMBER: US 10/444,453
PRION FLILING DATE: 2003-05-23
PRION APPLICATION NUMBER: PCT/US03/05346
PRION FLILING DATE: 2003-02-20 (USD)/05028
PRION APPLICATION NUMBER: PCT/US03/05028
PRION FLILING DATE: 2003-02-20
PRION APPLICATION NUMBER: US 10/693111
PRION FLILING DATE: 2003-10-31 (USD)/13456
PRION APPLICATION NUMBER: US 10/693111
Remaining Prior Application data removed - see File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 314
SEQ ID NO 215
LENGTH: 19
TYPE: RNA
FEATRES: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: a1Nn antisense region
Query Match 1 14; Score 17.4; DB 1; Length 19;
Best Local Significantly 94.7%; Pval. No 2.9e-021;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
19 GTGTGGCAACACCTCCGCG 1
RESULT 652
US-10-461-060-215/c
Sequence 215, Application US/10461060
GENERAL INFORMATION:
APPLICANT: Sirta Therapeutics, Inc.
APPLICANT: MMS/Sign, James
APPLICANT: Chovvitz, Shae
TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using
CURRENT APPLICATION NUMBER: US/10/461,060
CURRENT FLILING DATE: 2004-06-03
PRION APPLICATION NUMBER: US 10/699,311
PRION FLILING DATE: 2004-04-16
PRION APPLICATION NUMBER: US 10/757,803
PRION FLILING DATE: 2004-04-16
PRION APPLICATION NUMBER: US 10/720,448
PRION FLILING DATE: 2003-11-24
PRION APPLICATION NUMBER: US 10/693,059
PRION FLILING DATE: 2003-10-23
PRION APPLICATION NUMBER: PCT/US03/05346
PRION FLILING DATE: 2003-05-23
PRION APPLICATION NUMBER: PCT/US03/05346
PRION FLILING DATE: 2003-02-20 (USD)/05028
PRION APPLICATION NUMBER: US 10/693111
PRION FLILING DATE: 2003-10-31 (USD)/13456
Remaining Prior Application data removed - see File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 314
SEQ ID NO 215
LENGTH: 19
TYPE: RNA
FEATRES: Artificial Sequence

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PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See file Wrapper or PAM.  
 NUMBER OF SEQ ID NOS: 374  
 SEQ ID NO 227  
 LENGTH: 19  
 TYPE: RNA  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-861-060-227  
 Query Match 1,1%; Score 17,4; DB 1; Length 19;  
 Best Local Similarity 94,7%; Pred. No.2,9e+02;  
 Matches 18; Conservative 1; Mismatches 1; Gaps 0;  
 DB 133 ACCGCGAAGGACGAAAGG 150  
 19 CACCGAGAAACGAAAGG 1

RESULT 664  
 US-10-861-060-228/c  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: Mowbray, James  
 APPLICANT: Mowbray, James  
 APPLICANT: Chowrita, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (MEMB04-372-A)  
 CURRENT APPLICATION NUMBER: US/10/651,060  
 CURRENT FILING DATE: 2004-06-03/659,311  
 PRIOR FILING DATE: 2003-10-31  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2004-01-24  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-23  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See file Wrapper or PAM.  
 NUMBER OF SEQ ID NOS: 374  
 SEQ ID NO 228  
 LENGTH: 19  
 TYPE: RNA  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-861-060-228  
 Query Match 1,1%; Score 17,4; DB 1; Length 19;  
 Best Local Similarity 94,7%; Pred. No.2,9e+02;  
 Matches 18; Conservative 1; Mismatches 1; Gaps 0;  
 DB 133 ACCGCGAAGGACGAAAGG 151  
 19 CACCGAGAAACGAAAGG 1

DB 133 ACCGCGAAGGACGAAAGG 1  
 19 CACCGAGAAACGAAAGG 1

RESULT 665  
 US-10-861-060-231/c  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: Mowbray, James  
 APPLICANT: Mowbray, James  
 APPLICANT: Chowrita, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (MEMB04-372-A)  
 CURRENT APPLICATION NUMBER: US/10/651,060  
 CURRENT FILING DATE: 2004-06-03/659,311  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/693,059  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/444,853  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US03/05028  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining Prior Application data removed - See file Wrapper or PAM.  
 NUMBER OF SEQ ID NOS: 374  
 SEQ ID NO 231  
 LENGTH: 19  
 TYPE: RNA  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: sRNA antisense region  
 US-10-861-060-231  
 Query Match 1,1%; Score 17,4; DB 1; Length 19;  
 Best Local Similarity 94,7%; Pred. No.2,9e+02;  
 Matches 18; Conservative 1; Mismatches 1; Gaps 0;  
 DB 192 TCGATGCTGTGCGACACG 210  
 19 TCGATGCTGTGCGACACG 1

RESULT 666  
 US-10-861-060-232/c  
 Publication No. US20050137155A1  
 GENERAL INFORMATION:  
 APPLICANT: Sirta Therapeutics, Inc.  
 APPLICANT: Mowbray, James  
 APPLICANT: Mowbray, James  
 APPLICANT: Chowrita, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 FILE REFERENCE: 400/162 (MEMB04-372-A)  
 CURRENT APPLICATION NUMBER: US/10/651,060  
 CURRENT FILING DATE: 2004-06-03/659,311  
 PRIOR FILING DATE: 2003-10-31

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PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-10-16/693,059
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-22/US03/05346
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-22/US03/05346
PRIOR APPLICATION NUMBER: PCT/US03/05088
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 10/658311
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: PCT/US04/13456
Remaining prior application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
GENERAL INFORMATION
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Kesi-Sigen, James
APPLICANT: Chovvitz, Bharat
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
CURRENT APPLICATION NUMBER: US/10/661,060
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-22
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior application data removed - See file wrapper or PALM.
Query Match
Best Local Similarity 94.7% Pctd No. 2.9e+02
Matches 18: Conservative 1: Indels 0: Gaps 0:
Db 19 CAGGTGTCCACATGTC 1
RESULT 667
US-10-861-060-231/c
Sequence 231, Application US/10661060
GENERAL INFORMATION
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Kesi-Sigen, James
APPLICANT: Chovvitz, Bharat
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
CURRENT APPLICATION NUMBER: US/10/661,060
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior application data removed - See file wrapper or PALM.
Query Match
Best Local Similarity 94.7% Pctd No. 2.9e+02
Matches 18: Conservative 1: Indels 0: Gaps 0:
Db 19 CAGGTGTCCACATGTC 1

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NUMBER OF SEQ ID NOS: 374
SOFTWARE: PatentIn version 3.3
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
GENERAL INFORMATION
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Kesi-Sigen, James
APPLICANT: Chovvitz, Bharat
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
CURRENT APPLICATION NUMBER: US/10/661,060
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior application data removed - See file wrapper or PALM.
Query Match
Best Local Similarity 94.7% Pctd No. 2.9e+02
Matches 18: Conservative 0: Mismatches 1: Indels 0: Gaps 0:
Db 19 ATGTGTCCACATGTC 1
RESULT 668
US-10-861-060-231/c
Sequence 231, Application US/10661060
GENERAL INFORMATION
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: Kesi-Sigen, James
APPLICANT: Chovvitz, Bharat
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
CURRENT APPLICATION NUMBER: US/10/661,060
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US 10/698,311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining prior application data removed - See file wrapper or PALM.
Query Match
Best Local Similarity 94.7% Pctd No. 2.9e+02
Matches 18: Conservative 0: Mismatches 1: Indels 0: Gaps 0:
Db 19 ATGTGTCCACATGTC 1

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RESULT 669
US-10-961-060-235/c
Sequence 235, Application US/10661060
PUBLICATION No. US2005031755A1
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McSisgen, James
APPLICANT: Hoechst, Peter
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CITE REFERENCE: Short Interfering Nucleic Acid (siRNA)
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: US/10/698311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 235
LENGTH: 19
TYPE: RNA
GENERAL INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McSisgen, James
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CITE REFERENCE: Short Interfering Nucleic Acid (siRNA)
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 235
LENGTH: 19
TYPE: RNA
GENERAL INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McSisgen, James
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CITE REFERENCE: Short Interfering Nucleic Acid (siRNA)
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 237
SOFTWARE: Patent version 3.3

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PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 10/698311
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 236
LENGTH: 19
TYPE: RNA
GENERAL INFORMATION:
APPLICANT: Astra Therapeutics, Inc.
APPLICANT: McSisgen, James
APPLICANT: Hoechst, Peter
TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using
CITE REFERENCE: Short Interfering Nucleic Acid (siRNA)
CURRENT FILING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US/US04/13456
PRIOR FILING DATE: 2004-04-30
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 374
SEQ ID NO 237
SOFTWARE: Patent version 3.3

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APPLICANT: MNC-3igen, James  
 APPLICANT: Hebebell, Peter  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
 FILE REFERENCE: 400/162 (MHB04-372-A)  
 CURRENT FILING DATE: 2004-06-03/601,060  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2004-04-16/10/826,966  
 PRIOR APPLICATION NUMBER: US 10/757,803  
 PRIOR FILING DATE: 2003-10-23/10/444,953  
 PRIOR APPLICATION NUMBER: US 10/693,111  
 PRIOR FILING DATE: 2003-10-22/10/720,448  
 PRIOR APPLICATION NUMBER: US 10/653,059  
 PRIOR FILING DATE: 2003-10-22/10/444,953  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20/0503/05028  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-21/10/683,111  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining prior Application data removed - See File Wrapper or PALM.  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7%; Pred. No. 2.9e-02;  
 Matches 18; Complementary 0; Mismatches 1; Indels 0; Gaps 0;  
 204 CAGACGCTGCTGACAGACC 222  
 19 CAGACGCTGCTGACAGACC 1

DB  
 RESULT 679  
 Sequence 244 Application US/10661060  
 Publication No. US2005013155A1  
 GENERAL INFORMATION:  
 APPLICANT: MNC-3igen, James  
 APPLICANT: Hebebell, Peter  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
 FILE REFERENCE: 400/162 (MHB04-372-A)  
 CURRENT FILING DATE: 2004-06-03/601,060  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-23/10/444,953  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-10-22/10/720,448  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20/0503/05028  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-21/10/683,111  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining prior Application data removed - See File Wrapper or PALM.  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7%; Pred. No. 2.9e-02;  
 Matches 18; Complementary 0; Mismatches 1; Indels 0; Gaps 0;  
 204 CAGACGCTGCTGACAGACC 222  
 19 CAGACGCTGCTGACAGACC 1

PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20/0503/05028  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2004-04-30  
 Remaining prior Application data removed - See File Wrapper or PALM.  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7%; Pred. No. 2.9e-02;  
 Matches 18; Complementary 0; Mismatches 1; Indels 0; Gaps 0;  
 205 AACGCTGCTGACAGACC 223  
 19 AACGCTGCTGACAGACC 1

DB  
 RESULT 679  
 Sequence 245 Application US/10661060  
 Publication No. US2005013155A1  
 GENERAL INFORMATION:  
 APPLICANT: MNC-3igen, James  
 APPLICANT: Hebebell, Peter  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
 FILE REFERENCE: 400/162 (MHB04-372-A)  
 CURRENT FILING DATE: 2004-06-03/601,060  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-23/10/444,953  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-10-22/10/720,448  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20/0503/05028  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-21/10/683,111  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining prior Application data removed - See File Wrapper or PALM.  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7%; Pred. No. 2.9e-02;  
 Matches 18; Complementary 0; Mismatches 1; Indels 0; Gaps 0;  
 205 AACGCTGCTGACAGACC 223  
 19 AACGCTGCTGACAGACC 1

DB  
 RESULT 679  
 Sequence 245 Application US/10661060  
 Publication No. US2005013155A1  
 GENERAL INFORMATION:  
 APPLICANT: MNC-3igen, James  
 APPLICANT: Hebebell, Peter  
 TITLE OF INVENTION: RNA interference Mediated Treatment of Parkinson Disease Using  
 TITLE OF INVENTION: Short interfering Nucleic Acid (siNA)  
 FILE REFERENCE: 400/162 (MHB04-372-A)  
 CURRENT FILING DATE: 2004-06-03/601,060  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-23/10/444,953  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-10-22/10/720,448  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20/0503/05028  
 PRIOR APPLICATION NUMBER: US 10/659,311  
 PRIOR FILING DATE: 2003-10-21/10/683,111  
 PRIOR APPLICATION NUMBER: PCT/US04/13456  
 PRIOR FILING DATE: 2004-04-30  
 Remaining prior Application data removed - See File Wrapper or PALM.  
 Query Match 1.1% Score 17.4; DB 1; Length 19;  
 Best Local Similarity 94.7%; Pred. No. 2.9e-02;  
 Matches 18; Complementary 0; Mismatches 1; Indels 0; Gaps 0;  
 205 AACGCTGCTGACAGACC 223  
 19 AACGCTGCTGACAGACC 1













PRIOR FILING DATE: 2002-02-20  
 PRIOR FILING APPLICATION NUMBER: US 60/353,124  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/366,782  
 PRIOR FILING DATE: 2002-06-06  
 PRIOR APPLICATION NUMBER: US 60/393,796  
 PRIOR FILING DATE: 2002-07-29  
 PRIOR APPLICATION NUMBER: 60/399,348  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: 60/406,784  
 PRIOR FILING DATE: 2002-08-29  
 PRIOR APPLICATION NUMBER: 60/408,378  
 PRIOR FILING DATE: 2002-09-08  
 PRIOR APPLICATION NUMBER: 60/409,293  
 PRIOR FILING DATE: 2002-09-08  
 PRIOR APPLICATION NUMBER: 60/440,129  
 PRIOR FILING DATE: 2003-01-15  
 PRIOR APPLICATION NUMBER: 60/440,129  
 SEQUENCE ID NO: 310  
 SEQUENCE ID NO: 310  
 LENGTH: 21  
 ORGANISM: HUMAN  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region  
 NAME/TEXT: siac feature  
 LOCATION: (1)..(6)  
 OTHER INFORMATION: 2'-deoxy-2'-Fluoro  
 NAME/TEXT: siac feature  
 LOCATION: (7)..(8)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/TEXT: siac feature  
 LOCATION: (9)..(10)  
 OTHER INFORMATION: 2'-deoxy-2'-Fluoro  
 NAME/TEXT: siac feature  
 LOCATION: (11)..(11)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/TEXT: siac feature  
 LOCATION: (12)..(13)  
 OTHER INFORMATION: 2'-deoxy-2'-Fluoro  
 NAME/TEXT: siac feature  
 LOCATION: (14)..(14)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/TEXT: siac feature  
 LOCATION: (15)..(16)  
 OTHER INFORMATION: 2'-deoxy-2'-Fluoro  
 NAME/TEXT: siac feature  
 LOCATION: (17)..(17)  
 OTHER INFORMATION: 2'-deoxy  
 NAME/TEXT: siac feature  
 LOCATION: (18)..(19)  
 OTHER INFORMATION: 2'-deoxy-2'-Fluoro  
 NAME/TEXT: siac feature  
 LOCATION: (20)..(20)  
 OTHER INFORMATION: Phosphothioate 3'-internucleotide linkage  
 NAME/TEXT: siac feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 NAME/TEXT: siac feature  
 LOCATION: (21)..(21)  
 OTHER INFORMATION: 3'-3' attached terminal glyceryl moiety

US-10-698-311-310  
 Query Match 11% Score 17.4; DB 1; Length 21;  
 Best Local Similarity 94.7%; Seed No 2,6e+02;  
 Matches 18; Conservative 1; Indels 0; Gaps 0;  
 Oy 202 GCGACATGCTGCTGAGAG 220  
 19 GCGACATGCTGCTGAGAG 1  
 RESULT 690  
 US-10-861-060-362  
 Sequence 362, Application US/10661060  
 GENERAL INFORMATION: PCT/US03/05346  
 APPLICANT: Sigma Therapeutics, Inc.  
 APPLICANT: Mesd'Agen, James  
 APPLICANT: Chowder, Bharat  
 TITLE OF INVENTION: RNA Interference Mediated Treatment of Parkinson Disease Using  
 CURRENT FILING DATE: 2004-06-03  
 PRIOR FILING DATE: 2004-06-03  
 PRIOR APPLICATION NUMBER: US 10/698,311  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/826,966  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/751,603  
 PRIOR FILING DATE: 2004-04-16  
 PRIOR APPLICATION NUMBER: US 10/720,448  
 PRIOR FILING DATE: 2003-11-24  
 PRIOR APPLICATION NUMBER: US 10/444,653  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-05-23  
 PRIOR APPLICATION NUMBER: PCT/US03/05346  
 PRIOR FILING DATE: 2003-02-20  
 PRIOR APPLICATION NUMBER: US 10/699,311  
 PRIOR FILING DATE: 2004-04-30  
 PRIOR APPLICATION NUMBER: PCT/US04/14566  
 Remaining Prior Application data removed - See File Wrapper or PAM.  
 SOFTWARE: Patentin version 3.3  
 SEQ ID NO 362  
 LENGTH: 21  
 ORGANISM: HUMAN  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: siRNA sense region  
 NAME/TEXT: siac feature  
 LOCATION: (1)..(1)  
 OTHER INFORMATION: 5'-3' attached terminal deoxybasic moiety  
 NAME/TEXT: siac feature  
 LOCATION: (21)..(21)  
 OTHER INFORMATION: 3'-3' attached terminal deoxybasic moiety  
 NAME/TEXT: siac feature  
 LOCATION: (20)..(21)  
 OTHER INFORMATION: n stands for thymidine  
 US-10-861-060-362  
 Query Match 11% Score 17.4; DB 1; Length 21;  
 Best Local Similarity 94.7%; Seed No 2,6e+02;  
 Matches 18; Conservative 1; Indels 0; Gaps 0;  
 Oy 202 GCGACATGCTGCTGAGAG 220

[illegible]





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OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
NAME/KEY: misc_feature
LOCATION: (12) - (113)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc_feature
NAME/KEY:
LOCATION: (20) - (121)
OTHER INFORMATION: n stands for thymidine
US-10-861-060-368

Query Match 1.1% Score 17.4; DB 1; Length 21;
Beet Local Similarity 84.2%; Pred. No. 2.6e-02;
Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Py 202 GGCACACAGCGCTGACGAAAG 220
DB 1 GGCACACAGCGCTGACGAAAG 19

RESULT 696
US-10-861-060-368
Sequence 370: Application US/10661060
Publication No. US20050137155n1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Hoechst, Pfizer
APPLICANT: Hoechst, Pfizer
APPLICANT: Hoechst, Pfizer
TITLE OF INVENTION: RNA interference mediated treatment of Parkinson disease using
FILE REFERENCE: 400/652 (060894-372-n)
CURRENT APPLICATION NUMBER: US/10/661,060
PRIOR FILING DATE: 2003-10-31/0,659,311
PRIOR APPLICATION NUMBER: US/04-16/0,757,803
PRIOR FILING DATE: 2004-04-16/0,757,803
PRIOR APPLICATION NUMBER: US/10/826,966
PRIOR FILING DATE: 2004-04-16/0,757,803
PRIOR APPLICATION NUMBER: 2003-11-24/0,693,059
PRIOR FILING DATE: 2003-10-23/0,693,059
PRIOR APPLICATION NUMBER: US/10/720,448
PRIOR FILING DATE: 2003-05-23/US03/05346
PRIOR APPLICATION NUMBER: US/06/693,911
PRIOR FILING DATE: 2003-02-20/0,693,911
PRIOR APPLICATION NUMBER: PCT/US04/05028
PRIOR FILING DATE: 2003-10-31/
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-16/
Residual: 100% (100% of data removed - See File Wrapper or PAMM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: Patent version 3.3
SD LENGTH 210
SD START 210
SD STOP 210
TYPES: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA sense region
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: 5'-3' attached terminal deoxyphasic moiety
NAME/KEY: misc_feature
OTHER INFORMATION: 121) - (113)
FEATURE:
OTHER INFORMATION: 3'-3' attached terminal deoxyphasic moiety
NAME/KEY: misc_feature

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LOCATION: (3) - (3)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE:
NAME/KEY: misc_feature
LOCATION: (6) - (6)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
FEATURE: misc_feature
NAME/KEY:
LOCATION: (9) - (9)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
NAME/KEY: misc_feature
LOCATION: (12) - (113)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
NAME/KEY: misc_feature
LOCATION: (20) - (121)
OTHER INFORMATION: n stands for thymidine
US-10-861-060-368

Query Match 1.1% Score 17.4; DB 1; Length 21;
Beet Local Similarity 84.2%; Pred. No. 2.6e-02;
Matches 16; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Py 202 GGCACACAGCGCTGACGAAAG 220
DB 1 GGCACACAGCGCTGACGAAAG 19

RESULT 697
US-10-861-060-368
Sequence 370: Application US/10661060
Publication No. US20050137155n1
GENERAL INFORMATION:
APPLICANT: Sigma Therapeutics, Inc.
APPLICANT: Hoechst, Pfizer
APPLICANT: Hoechst, Pfizer
APPLICANT: Hoechst, Pfizer
TITLE OF INVENTION: RNA interference mediated treatment of Parkinson disease using
FILE REFERENCE: 400/652 (060894-372-n)
CURRENT APPLICATION NUMBER: US/10/661,060
PRIOR FILING DATE: 2003-10-31/0,659,311
PRIOR APPLICATION NUMBER: US/04-16/0,757,803
PRIOR FILING DATE: 2004-04-16/0,757,803
PRIOR APPLICATION NUMBER: US/10/826,966
PRIOR FILING DATE: 2004-04-16/0,757,803
PRIOR APPLICATION NUMBER: 2003-11-24/0,693,059
PRIOR FILING DATE: 2003-10-23/0,693,059
PRIOR APPLICATION NUMBER: US/10/720,448
PRIOR FILING DATE: 2003-05-23/US03/05346
PRIOR APPLICATION NUMBER: US/06/693,911
PRIOR FILING DATE: 2003-02-20/0,693,911
PRIOR APPLICATION NUMBER: PCT/US04/05028
PRIOR FILING DATE: 2003-10-31/
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-16/
Residual: 100% (100% of data removed - See File Wrapper or PAMM.
NUMBER OF SEQ ID NOS: 374
SOFTWARE: Patent version 3.3
SD LENGTH 210
SD START 210
SD STOP 210
TYPES: RNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: siRNA antisense region
FEATURE:

```

NAME/KEY: misc\_feature  
 LOCATION: (1) - (6)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc\_feature  
 LOCATION: (7) - (8)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc\_feature  
 LOCATION: (9) - (10)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc\_feature  
 LOCATION: (11) - (11)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc\_feature  
 LOCATION: (12) - (12)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc\_feature  
 LOCATION: (14) - (14)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc\_feature  
 LOCATION: (15) - (16)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc\_feature  
 LOCATION: (17) - (17)  
 OTHER INFORMATION: 2'-deoxy  
 FEATURE: misc\_feature  
 LOCATION: (18) - (19)  
 OTHER INFORMATION: 2'-deoxy-2'-fluoro  
 FEATURE: misc\_feature  
 LOCATION: (20) - (20)  
 OTHER INFORMATION: Phosphorothioate 3'-internucleotide linkage  
 FEATURE: misc\_feature  
 LOCATION: (20) - (21)  
 OTHER INFORMATION: n stands for thymidine  
 FEATURE: misc\_feature  
 LOCATION: (21) - (21)  
 OTHER INFORMATION: 3'-3' attached terminal glyceryl moiety  
 US-10-561-060-370

Query Match  
 1.1% Score 17.4; DB 1; Length 21;  
 Best Local Similarity 94.7%; Pred. No. 2.ee02;  
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DB 202 GCGCAGCTGCGCGAGAG 220  
 19 GCGCAGCTGCGCGAGAG 1

RESULT 698  
 US-10-991-286A-22/c  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Bimcor, David  
 APPLICANT: Bimcor, David  
 APPLICANT: Metagenome, Demetrius M.  
 TITLE OF INVENTION: Wortlich, Hans-Peter  
 CURRENT PILING DATE: 2004-11-17  
 CURRENT APPLICATION NUMBER: US/10/991.286A  
 PRIOR FILING DATE: 2004-06-09 US2004/18271  
 PRIORITY DATE: 2004-06-09

PRIOR APPLICATION NUMBER: US 60/416,947  
 PRIOR FILING DATE: 2003-06-09  
 SOFTWARE: ParSeq for Windows Version 4.0  
 SEQ ID NO 22  
 LENGTH: 21  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Primer  
 NAME/KEY: misc\_feature  
 LOCATION: 1  
 OTHER INFORMATION: n = 2'-O-Me-uridine modification  
 NAME/KEY: misc\_feature  
 LOCATION: 2  
 OTHER INFORMATION: n = 2'-O-Me-uridine phosphorothioate modification  
 NAME/KEY: misc\_feature  
 LOCATION: 20  
 OTHER INFORMATION: n = df= deoxythymidine  
 NAME/KEY: misc\_feature  
 LOCATION: 21  
 OTHER INFORMATION: n = deoxythymidine phosphorothioate modification  
 US-10-991-286A-22

Query Match  
 1.1% Score 17; DB 1; Length 21;  
 Best Local Similarity 100.0%; Pred. No. 2.ee02;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 451 CTACGACCTGAGAGCT 467  
 19 CTACGACCTGAGAGCT 3

RESULT 699  
 US-10-991-286A-22/c  
 Publication No. US20050186591A1  
 GENERAL INFORMATION:  
 APPLICANT: Bimcor, David  
 APPLICANT: Bimcor, David  
 APPLICANT: Metagenome, Demetrius M.  
 TITLE OF INVENTION: Wortlich, Hans-Peter  
 CURRENT PILING DATE: 2004-11-17  
 CURRENT APPLICATION NUMBER: US/10/991.286A  
 PRIOR FILING DATE: 2004-06-09 US2004/18271  
 PRIORITY DATE: 2004-06-09

NUMBER OF SEQUENCES: 316  
 CORRESPONDENCE ADDRESS: Metagenome, Demetrius M.  
 STREET: 550 West C Street  
 CITY: San Diego  
 STATE: California  
 ZIP: 92101  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy Disk  
 RECORDING SYSTEM: Standard  
 OPERATING SYSTEM: Windows  
 SOFTWARE: Word  
 CURRENT APPLICATION DATA:  
 PILING DATE: 11-Feb-2003  
 APPLICATION NUMBER: US/09/463,075A  
 INVENTION FOR SEQ ID NO: 204  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 31 Base Pairs  
 STANDARDS: STROKE  
 TOPOLOGY: LINEAR

MOLECULE TYPE: DNA  
 ORIGINAL SOURCE: GenBank  
 FEATURE: ORIGINATOR: Homo sapiens  
 NAME/KEY: 1.13  
 REQUIRE: DESCRIPTION: SEQ ID NO: 204;  
 US-10-367-438-204

Query Match  
 Best local similarity: 1.0%; Score 15.0; DB 1;  
 Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

DB 1126 ANTTGATTTTATTA 1144  
 19 ANTTGATTTTATTA 1

RESULT 700  
 US-09-966-264-28  
 Sequence 28, Application US/09966264  
 GENERAL INFORMATION:  
 APPLICANT: Barter, Elizabeth K  
 TITLE OF INVENTION: Gene Expression Control Element DNA  
 FILE REFERENCE: 69/601459-001  
 CURRENT FILING DATE: US/09/966,764  
 PRIOR FILING DATE: 2001-09-28  
 PRIOR APPLICATION NUMBER: US 60/237, 079  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 28  
 LENGTH: 18  
 TYPE: DNA  
 ORGANISM: human  
 US-09-966-264-28

Query Match  
 Best local similarity: 1.0%; Score 14.8; DB 1;  
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

DB 1402 ANTTGATTTTATTA 1415  
 1 ANTTGATTTTATTA 18

RESULT 701  
 US-10-108-260A-5221/c  
 Sequence 5221, Application US/10108260A  
 GENERAL INFORMATION:  
 APPLICANT: HELIX RESEARCH INSTITUTE  
 FILE REFERENCE: NO. US2004000560A)el full length cDNA  
 CURRENT APPLICATION NUMBER: US/10/108,260A  
 PRIOR FILING DATE: 2002-03-27  
 NUMBER OF SEQ ID NOS: 5458  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 5221  
 LENGTH: 18  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: an artificially synthesised p

US-10-108-260A-5221  
 Query Match  
 Best local similarity: 1.0%; Score 14.8; DB 1;  
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

DB 346 GAGCAGATATGAGAG 353  
 1 GAGCAGATATGAGAG 353

DB 18 GTCCATGCTACATAGAG 1

RESULT 702  
 US-10-349-143-6082  
 Sequence 6082, Application US/10349143  
 GENERAL INFORMATION:  
 APPLICANT: Coran, Daniel  
 APPLICANT: Blumenthal, Marc  
 FILE REFERENCE: US/10/349,143  
 CURRENT APPLICATION NUMBER: US/10/349,143  
 PRIOR FILING DATE: 1999-10-20  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850  
 PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21  
 PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1999-11-23  
 PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21  
 PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21  
 SEQ ID NO 6082  
 LENGTH: 18  
 TYPE: DNA  
 ORGANISM: Homo Sapiens  
 FEATURE: Primer bind  
 NAME/KEY: primer bind  
 OTHER INFORMATION: upstream amplification primer 59-8802 for SEQ 2146,  
 US-10-349-143-6092

Query Match  
 Best local similarity: 1.0%; Score 14.8; DB 1;  
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

DB 17 GAGCTGCTGCTGATGAG 18  
 1 GAGCTGCTGCTGATGAG 18

RESULT 703  
 US-09-925-388-30  
 Sequence 30, Application US/09925388  
 GENERAL INFORMATION:  
 APPLICANT: MISHINO, Tetsuo  
 APPLICANT: OJIMA, Kazuyuki  
 FILE REFERENCE: ISOPRENOLID PRODUCTION  
 CURRENT APPLICATION NUMBER: US/09/925,388  
 PRIOR FILING DATE: 1999-06-06  
 PRIOR APPLICATION NUMBER: 595,595  
 PRIOR FILING DATE: 1999-06-06  
 NUMBER OF SEQ ID NOS: 43  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 30  
 LENGTH: 18  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: same primer

US-09-925-388-30  
 Query Match  
 Best local similarity: 0.9%; Score 14.4; DB 1;  
 Matches 15; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

DB 1170 GAGAGCTGACAGAGAG 1185



Db 2 GAGAGCGAGAGCGAGAAA 17

RESULT 704

US-10-431-846-30 Application US/1041846

Sequence ID: US1041846.1

GENERAL INFORMATION:

APPLICANT: OSHIMA, Masayuki

INVENTOR: OSHIMA, Masayuki

TITLE OF INVENTION: ISOPRENOLID PRODUCTION

CURRENT APPLICATION NUMBER: US/10/431,846

INVENTOR: OSHIMA, Masayuki

PRIOR APPLICATION NUMBER: US/09/925,388

PRIOR FILING DATE: 2001-08-09

PRIOR APPLICATION NUMBER: 09/306,595

INVENTOR: OSHIMA, Masayuki

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 30

US1041846.1

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE: Description of Artificial Sequence: Sense primer

OTHER INFORMATION: for cloning of 5'-adjacent region of MYX gene

US-10-431-846-30

Query Match

Best Local Similarity 93.8% DB 1 Length 18:

Mismatches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

0/ 1170 GAGAGCGAGAGCGAGAAA 1185

Db 2 GAGAGCGAGAGCGAGAAA 17

Search completed: October 12, 2005, 14:19:42

Job time : 16 secs

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